

Line CO will be the Perpendicular requir'd; because it is not more inclin'd towards the Part DA , than towards the Part EB .

Fourth PROBLEM.

Through the Point given, to draw a Parallel to the Line given.

Let A , fig. 76. be the Point given, through which is to be drawn a Parallel to the Line given CB , let the right Line AD be drawn cutting the right Line given CB in D ; and from the Point D be described the Arch AF , and from the Point A , at the same Interval, be described the other Arch DE , into which the Arch AF is to be transferred, viz. from D into G ; then the right Line AG will be the Parallel required; because the alternate Angles ADF , and DAG are equal.

Fifth PROBLEM.

Between two Lines given to find a *middle Proportional*.

Let BD , DC , fig. 78. be the Lines given, placed in a direct Line, and form the right one BC , from whose middle Point E must be described the Semicircle ABC , then from the Point D will be drawn the Perpendicular DA , meeting with the Circumference in A ; I say that such Line is the middle Proportional between BD , and DC .

For the Lines BA and CA being drawn, the Angle BAC is formed in the Semicircle, and consequently is a right Angle; therefore the Perpendicular AD , being let to fall on the Base BC is the middle Proportional, between the Segments, or Lines given BD , DC .

SCHOLIUM.

A middle Proportional is found *Geometrically* between two Lines given; but no geometrical Method has been found yet, whereby two, or several middle Proportionals between two given Lines could be found. It is true, that some mechanical Rules are given conducive to it, viz. by several Instruments contrived for that Purpose, which have been imagined by *Plato*, *Archytas*, and other Antients; but particularly by *Des Cartes*, whose Invention is far preferable to all others; in that it is not confined to only two, but may be applied to find as many middle Proportionals between two Lines given, as one pleases.

By finding two *Proportionals* between two Lines given, the famous Problem of *Delos* of the *Duplication of the Cube* is executed; and that my Pupils may have some Notion how it is done, it must be understood that a Square is made of any Quantity, viz. a Number, or a Line multiplied by itself, the Side or Root thereof is that same Quantity; then if the Square be multiplied by the same Root, there will arise a Cube, whose Side or Root is the same Quantity. For Example, if you multiply 2 by 2 it will produce the Square 4, whose Root is 2. Again, if the Square 4 be multiplied by the Root 2 it will produce the Cube 8, whose Root is the same Number 2. Likewise, if you carry 4 into 4 you'll produce the Square 16, which Square being multiplied by 4, will give the Cube 64.

But if there be four Quantities continually proportional, such as $2 : 4 :: 8 : 16$, the Cube of the first is to the Cube of the second, as the first is to the fourth; for 2 is to 16, as 8 the Cube of the said 2, is to 64. the Cube of the said 4. because as 2 is the eighth Part of the Number 16; so 8 is the eighth Part of the Number 64.

Therefore if two Lines were given, the last whereof was the *Dupla* of the first; and between those two, other two Proportionals should be found, so as for the fourth Proportional to become the *Dupla* of the first; it is manifest that the Cube, which would be form'd in the second Proportional, would be the *Dupla* of that form'd in the first; because the Cube of the first Line would be, with regard to the second, as the first Line to the fourth; but the first would be to the fourth as 1 to 2; therefore the first Cube would be to the second, as 1 to 2.

Therefore for the Duplication of the Altar of *Delos*, which was cubical, there should have been taken a Line

duple each of its Sides; and between the Side and that Line, two middle Proportionals should have been searched.

Sixth PROBLEM.

A Triangle given, to make a rectangular Parallelogram equal to it.

Let ABC , fig. 77. be the Triangle given, through whose Vertex A , must be drawn the right Line AG , parallel to the Base BC ; then the Base BC is to be divided into two equal Parts in the Point D , from which the Perpendicular DE is drawn as far as to the Parallel AG : Let EF be taken equal to the Side DC , and the Side CF be drawn, the Rectangle DF will be equal to the Triangle given.

Seventh PROBLEM.

A Parallelogram being given, to make a Square equal to it.

Let $CDEF$, fig. 79. be the Parallelogram given, between the Longitude thereof DC , and its Altitude CF , or Cf , the middle Proportional CA must be found; the Square CB , of that middle Proportional, will be equal to the given Rectangle.

Eighth PROBLEM.

To measure an horizontal Line, which can only be accessible by one of its Extremities.

Let it be the Line AB , fig. 89. which can only be accessible in the Point B , the Longitude of which Line is to be searched.

First, let a Perpendicular be drawn in the Point B , to that same Line AB , viz. BC , in this Manner: You must place the Center of the Instrument, viz. of the *Semicircle*, described fig. 90. in the Point B , and thro' the Holes of its immobile Dioptré dd , fig. 90, 91. look some fix'd Object, placed in the other Extremity of the Line, viz. a small Tree, or the Tower A , and move the Dioptré, or mobile Rule, till it departs from the Base, or immobile Rule, by the whole Square, or 90 Degrees: If through the Holes which are open in the *Pinnule* of the Dioptré, you look some Mark placed in C , you'll have the right Angle ABC .

Let the Instrument be transferred into C , so that its Center answers to the Point C , and the Holes of the immobile Dioptré dd , be directed on the Point B ; turn the moveable Dioptré without moving the Instrument, till the Sign A appears thro' the moveable *Pinnula* ee ; then you'll know the Quantity of the Angle ACB in the Limb ed of the Semicircle.

To measure the Line BC , you must draw on Paper the Line FE , fig. 90. divided into so many equal Parts, as there are Feet found in the Line BC , and let the Angle FEG , fig. 90. be equal to the Angle BCA , afterwards the Perpendicular FG must be drawn thro' the Point F , meeting with the Line EG in the Point G . If with the Scale you measure how many Parts there are in FG equal to the Parts of the Line FE : I say that there are as many Feet in AB .

Demonstration. The Triangle ABC , and GFI , are *Equi-angles*, by Construction; therefore as FD is to FG , so BC is to BA : So that as many aliquot Parts of the Line FE , are contained in FG ; so many similar aliquot Parts from the Line BC will be contained in BA .

Ninth PROBLEM.

To measure an accessible Altitude.

Make use, as in the preceding Problem, of the *Semicircle* so disposed, that its Diameter or Base be parallel to the Horizon; then rise or lower its mobile Dioptré, till through its *Pinnula* the Vertex A , fig. 91. be seen: Afterwards look downward through the same *Pinnula*, that you may have the Point C ; mark carefully the Angle AI , or EIC equal to it, to which the Angle ACB is equal likewise. Suppose it, for Example, to be of 57 Degrees, 25 Minutes: Then measure with the Hexapedes the Distance CB , which will be, v. gr. of 235 Feet. If a Triangle be made on Paper semblable to that, the Altitude BA will be found to be of 267 Feet, and a little more.

But

But this *Problem* is resolved, with a greater Accuracy, by the Table of the *Sines*: For if a Circle be described from the Point C, in the internal CB, the *Radius* CB will be the whole *Sine*; the Line CA, will be the *Secant*; and the Line, or Tower AB, will be the *Tangent* of the Angle ACB. Therefore if it be said, as the *whole Sine*, which in the Table is 10000000, is to the *Tangent* of the Angle ACB, 57 Deg. 25 Min. which is in the Tables 15646590; so is the Distance CB, which is found to be of 235 Feet to the Altitude or Height BA: This Altitude BA will be found by the Rule of Proportion to be of 367 Feet eight Inches.

Note, That as that Part of *Geometry* which regards the Solution of Triangles, or whereby their Sides are known by the Rules of Proportion, and expressed by Number, is called *Trigonometry*, I'll defer mentioning any Thing about it, till I come to the Letter T. where I design to write an entire Treatise of that Art, *Trigonometry*.

Herodotus, *Lib. 2.* and *Strabo*, *Lib. 17.* assert the *Egyptians* to be the first Inventors of *Geometry*; and the annual Inundations of the *Nile* to have been the Occasion; for that River bearing away all the Bounds and Landmarks of Men's Estates, and covering the whole Face of the Country, the People, say they, were obliged to distinguish their Lands, by the Consideration of their Figures and Quantity; and thus by Experience and Habit formed themselves a Method or Art which was the Origin of *Geometry*. A further Contemplation of the Draughts of Figures, or Fields thus laid down, and plotted in Proportion, might naturally enough lead them to the Discovery of some of their excellent and wonderful Properties; which Speculation continually improving, the Art became gradually improved, as it continues to do to this Day. *Josephus* however seems to attribute the Invention to the *Hebrews*; and others among the Antients make *Mercury* the Inventor.

The Province of *Geometry* is almost infinite: Few of our Ideas but may be represented to our Imagination by Lines, upon which they straight become of geometrical Consideration; it being *Geometry* alone that makes Comparisons, and finds the Relations of Lines.

Astronomy, Musick, Mechanics, and in a Word, all the Sciences which consider Things susceptible of more and less, *i. e.* all the precise and accurate Sciences may be referred to *Geometry*. For all speculative Truths consisting only in the Relations of Things, and in the Relations between those Relations, they may be all referred to Lines. Consequences may be drawn from them; and these Consequences again being rendered sensible by Lines, they become permanent Objects, constantly exposed to a rigorous Attention and Examination: And thus we have infinite Opportunities, both of enquiring into their Certainty, and pursuing them further.

The Reason, for Instance, why we know so distinctly, and mark so precisely, the Concords call'd *Octave*, *Fifth*, *Fourth*, &c. is, that we have learn'd to express Sounds by Lines, *i. e.* by Chords accurately divided; and that we know that the Chord, which sounds *Octave*, is double of that which it makes *Octave* withal; that the fifth is in the sesquialterate Ratio, or as three to two; and so of the rest.

The Ear itself cannot judge of Sounds with such Precision; its Judgments are too faint, vague, and variable to form a Scheme. The finest, best-tun'd Ear, cannot distinguish many of the Differences of Sounds; whence many Musicians deny any such Differences, as making their Sense their Judge. Some, for Instance, admit no Difference between an *Octave* and three Ditones; and others, none between the greater and lesser Tone; the Comma, which is the real Difference, is insensible to them; and much more the Siesma, which is only half

the Comma. It is only by Reason, then, that we learn, that the Length of the Chord, which makes the Difference between certain Sounds, being divisible into several Parts, there may be a great Number of different Sounds contained therein, useful in Musick; which yet the Ear cannot distinguish: Whence it follows, that had it not been for *Arithmetick* and *Geometry*, we had had no such Thing as regular, fix'd Musick; and that we could only have succeeded in that Art by good Luck, or Force of Imagination, *i. e.* Musick would not have been any Science founded on incontestable Demonstrations: Tho' we allow the Tunes, composed by Force of Genius and Imagination, are usually more agreeable to the Ear, than those composed by Rules.

So in Mechanics, the Heaviness of a Weight, and the Distance of the Center of that Weight from the Fulcrum, or Point it is sustained by, being susceptible of *plus* and *minus*, they may both be expressed by Lines; whence *Geometry* becomes applicable hereto; in Virtue whereof, infinite Discoveries have been made of the utmost Use in Life.

Geometrical Lines and Figures are not only proper to represent to the Imagination the Relations between Magnitudes, or between Things susceptible of more and less; as Spaces, Times, Weights, Motions, &c. but they may even represent Things, which the Mind can no otherwise conceive, *e. gr.* the Relations of incommensurable Magnitudes.

We do not however, pretend that all Subjects Men may have Occasion to enquire into, can be expressed by Lines. There are many not reducible to any such Rules: Thus the Knowledge of an infinitely powerful, infinitely just God, on whom all Things depend, and who would have all his Creatures execute his Orders, to become capable of being happy, is the Principle of all Morality, from which a thousand undeniable Consequences may be drawn; and yet neither the Principle, nor the Consequences, can be expressed by Lines, or Figures.

Indeed, the antient *Egyptians*, we read, used to express all their philosophical, and theological Notions, by *Geometrical* Lines. In their Researches into the Reason of Things, they observed that God and Nature affect Perpendiculars, Parallels, Circles, Triangles, Squares, and harmonical Proportions; which engaged the Priests; and Philosophers, to represent the divine and natural Operations by such Figures: In which they were followed by *Pythagoras*, *Plato*, &c. whence that Saying of *Boethius*, *Nullam Divinorum Scientiam arithmeticon attingere posse.*—But it must be observed, that this Use of *Geometry*, among the Antients, was not strictly scientific, as among us, but rather symbolical: They did not argue, or reduce Things and Properties unknown from Lines; but represented, or delineated Things that were known. In Effect, they were not used as Means or Instruments of discovering, but Images or Characters, to preserve or communicate the Discoveries made.

The *Egyptians* (*Gale* observes) used *Geometrical* Figures, not only to express the Generations, Mutations, and Destructions of Bodies; but the Manner, Attributes, &c. of the Spirit of the Universe, who diffusing himself from the Center of his Unity, through infinite concentrick Circles, pervades all Bodies and fills all Spaces. But of all other Figures they most affected the Circle and Triangle; the first as being the most perfect, simple, capacious, &c. of all Figures: Whence *Hermes* borrowed it to represent the divine Nature; defining God to be an intellectual Circle or Sphere, whose Center is every where, and Circumference no where.

The antient *Geometry* was confined to very narrow Bounds, in Comparison of the modern: It only extended to right Lines, and Curves of the first Order, or conick Sections; whereas into the modern *Geometry* new Lines of infinitely more and higher Orders are introduced.

G I L D I N G.

GILDING, or GUILDING, is the Art or Act of spreading, or covering a Thing over with Gold, either in Leaf or Liquid.

There are several Methods of *Gilding* among us; the Principals of which are *Gilding by the Fire*, which is peculiar to Metals, *Gilding on an oily Size*, and *Gilding on a water Size*.

There are two Ways of *Gilding by the Fire*, viz. that with liquid Gold, and that with leaf Gold.

The first is performed with Gold amalgamated with Mercury, in the Proportion of about an Ounce of Mercury to a Dram of Gold.

In order to the Operation, *Gilders* chuse their Gold with as little Alloy as possible, such as Gold Ducats, &c. which they beat to reduce it to a pretty thin Plate, which they cut afterwards into small Pieces, that it may melt the sooner; which done, they throw it into a Crucible red-hot, and when they see it ready to melt the Quantity of Mercury proportioned to the Gold, stirring the Mixture gently about till the Gold be melted, and incorporated with the Mercury, which is discovered at a Smoke arising from the Crucible; which no sooner perceived but they cast the Matter into Water to wash and purify it; and thence into other Waters, repeating the Lotion in order to take away the Blackness. Then they dry it in a Linnen Cloth, and likewise to separate the Mercury not united therewith; for the Metal never takes more of the Mercury than is necessary to amalgamate itself with it.

Note, That before the Mercury be united with the Metal in the Crucible, it must be squeezed through a Piece of shammy Skin, to free it of its Impurities, which could be an Obstacle to a perfect Amalgamation; and that the Mixture must be taken off the Fire as soon as it begins to smoke, lest the Mercury should evaporate and leave the Operation imperfect.

To prepare the Metal for this Amalgama, they scrub it with a wire Brush, and wet it with Water, or Beer, continuing to rub and wet till all the Foulness which might hinder the close Union of the Metals be removed: Which done, to quicken the Work further, they rub a Mixture of Quicksilver and Aqua-fortis over it.

They proceed now to apply the Gold, in order to which they use a little Knife, or a Brush made of brass Wire for that Purpose; with which they spread or overlay the whole Work, as even as may be, being careful to miss no Part: Then giving the Work a gentle Heat before the Fire, with a hair Brush they dab and spread the Amalgama further and evener thereon.

Thus far advanced, the Metal is set over the Fire upon a Grate or in a sort of Cage, under which is a Pan of Coals, by which Means the Mercury is raised in Fumes, and leaves the Gold alone adhering to the Work: In Proportion as the Mercury evaporating, and flying off, discovers Places where Gold is wanting, they take Care to supply them, by adding new Pieces of Amalgama, with the Knife or Brush.

The Work is then rubbed over, or rather polished, first with a Brush, made of pretty big Wires, dipped in Urine; and afterwards, with one made of finer Wires, dipped in Urine likewise, to finish it, or put it in a Condition to be *bealed*, or *belled*, i. e. to have its Colour and Lustre heighten'd, which is the last Part of the Process, and which the *Gilders* keep to themselves as a mighty Secret.

The Method given by *Parker*, is to dip the Work in a Decoction of Argal, Sulphur, Salt, and as much Water as will cover it, holding it therein till it has acquired the Colour that pleases; then dipping it in cold Water. I have seen a *Gilder* heighten the Colour of his Work with a Decoction of Cream of Tartar and Beer, into which he used to dip it, while the Decoction was boiling, till it had acquired a Colour that pleased him; which I know, by the Beauty of his Works, to be a very good Secret.

To have the *Gilding* more rich, and lasting, they sometimes quicken the Work over again with Quick-silver and Aqua-fortis, and gild it a second Time, after the same Manner; proceeding, if Occasion be, even to a third or fourth Time, till the Gold lies the Thickness of a Nail on the Metal.

To prepare the Metal for *Gilding* with gold Leaves, it must be first well scratched, or raked; then polished with a Polisher; and thus set to the Fire to *blue*, i. e. to heat, till it appear of a blue Colour: This done, the first Lay of Gold is put thereon, and lightly rubbed down with a Polisher; and thus exposed to a gentle Fire: They usually give it three such Lays, or four at most; each Lay consisting of a single Leaf for the common Works, and of two for the extraordinary ones; after each Lay they set it afresh to the Fire: After the last Lay the Gold is in a Condition to be burnished.

The Basis or Matter, whereon the Gold is applied in *Gilding in Oil*, or an *oily Size*, according to M. *Felibien*, is the Remains of Colours found settled to the Bottom of the Pots, wherein the Painters wash their Pencils. This Matter, which is very viscid, they first grind; then pass it through a Linnen Cloth; and thus lay it with a Pencil, on the Matter to be gilt, after having first washed it once or twice over with Size; and if it be Wood, with some white Paint.

This Method obtains in *France*; but the *English Gilders* in lieu thereof, generally make use of a Gold Size made of yellow Oker, grounded fine with Water, and laid to dry on a Chalk-stone; then ground up with a due Proportion of fat drying Oil, to give it the Body or Degree of Stiffness required. With this Size they wash over the Thing to be gilt, by means of a Brush or a large Pencil. And, when almost dry, but while yet unctuous enough to catch and retain the Gold, they spread their Gold Leaves thereon either whole or cut in Pieces. To take up and apply the Leaves, they make use of a Piece of fine, soft, well carded Cotton, or of a Pallet for the Purpose; or barely the Knife, wherewith the Leaves are cut, according to the Parts of the Work they are to gilt, or the Breadth of the Gold to be applied. In Proportion as the Gold is laid they press it down smooth with a Bunch of Cotton or a Hare's Foot, to make it stick, and, as it were, incorporate with the Ground: With the same Hare's Foot, or a Camel's Hair-pencil, they mend any Cracks that may happen therein, after the same Manner as will be hereafter shewn in *Water-gilding*.

Note, That this Sort of *Gilding* is chiefly used for Domes, and Roofs of Churches, Courts, Banqueting-Houses, &c. and for Figures of Plaster, Lead, &c. that are to stand exposed to the Weather.

Water-Gilding is not performed with less Apparatus; nor is it used so frequently; nor on such large Works as the former; wooden Works, and those of Stucco, are almost the only ones gilt in this Way; which besides must be sheltered from the Weather. The Size made use of for *Gilding* is to be made of Shreds, &c. of Parchment or Gloves boiled in Water to the Consistence of a Jelly.

If it be Wood that is to be gilt, they first give it a Wash of this Size boiling-hot; and when this is dry, another of Whiting mixed up with the same Size. For this Whiting some use Plaster of *Paris* well beaten and sifted; others *Spanish* White or Ceruss, &c. it is laid on with a stiff Brush, and oftener, or seldom repeated, according to the Nature of the Work: For Pieces of Sculpture seven or eight Lays suffice; for flat or smooth Works ten or twelve; in the latter Case they are applied by drawing the Brush or Pencil over the Work; in the former by dabbing it smartly on, that the Size may enter all the Dents of the Carving.

When the whole is dry, they moisten it with fair Water, and rub it over with several Pieces of coarse Linnen,

if it be a Flat; otherwise they beat it, or switch it, with several Slips of the same Linnen, tied to little Sticks, to make it follow; and enter all the Cavities and Depressures thereof.

The White thus finished, they proceed to yellow it; observing, that if it be a Piece of Sculpture in Relievo, they first touch up, and repair the several Parts which the white Ground may have disfigured, with little Iron Instruments, or Gravers, Chissels, Gauges, &c.

Note, That the yellow, which they use, is only common Oker, well ground and sifted; and thus mixed up with the Size used for the White, only weaker by one Half.

This yellow Colour is laid on hot, and in Works of Sculpture serves to supply the Place of Gold, which frequently cannot be carried into all the Cavities, and Dentings of Foliages and other Ornaments. Over this yellow they apply a Lay, which is to serve for the Ground whereon the Gold is to be immediately laid: It is usually composed of the *Armenian* Bole, Blood-stone, Black-lead, and a little Fat, to which some add Soap, and Oil of Olive; others burnt Bread, Bistre, Antimony, Tintglass, Butter, and Sugar-Candy. These Ingredients being all ground together with hot Size, they apply three Lays of the Composition upon the yellow, each after the other is dried; taking Care not to put any in the small Cavities of the Work, to hide the yellow. The Brush used in this Application, is to be soft; and when the Matter is well dried, they go over it with a stronger Brush to rub it down, and take off the little prominent Grains, and thus facilitate the Burnishing of the Gold.

Note, That *Gilders*, before they can proceed to *gild*, must have three Pencils; one to wet, another to touch up, and amend, and a third to flatten: There is also requir'd a Cushion to spread the Gold Leaves on, when taken out of the Book; a Knife to cut them; and a Hare's Foot, or Squirrel's Tail, fitted with a Handle; or else a Piece of Cotton, to take them up, direct, and apply them.

Fitted with these Tools, he begins with the wetting Pencils, with which he moistens the Layer, last laid on, with Water, that it may the better receive and retain the Gold: The Leaves are then laid on the Cushion, and taken up, if whole, with the Squirrel's Tail; if in Pieces, with the other Instrument, or even the Knife they are cut withal, and laid and spread gently on the Parts of the Work before moisten'd. When the Leaves happen to crack, or break in laying on, he makes up the Breaches with little Pieces of Leaf, taken up on the repairing Pencil; and with the same Pencil, or another somewhat bigger, they smooth the whole, pressing the Gold into the Dents, where it could not so well be carried with the Squirrel's Tail.

Note, That the Work thus far *gilt*, when dry, remains either to be burnish'd or matted.

To burnish it, is to smooth, and polish it with a Burnisher, which is usually a Dog or Wolf's Tooth, or a Blood-stone, an Agate, or a Pebble, fitted in a Handle for the Purpose.

To mat it, is to give it a light Lick in the Places not burnished, with a Pencil dipt in Size, wherein a little Vermillion, sometimes, has been mix'd. This helps to preserve and prevent its flawing, when handled.

The last Thing is to apply a Vermeil, or Lacquer,

in all the little Lines and Cavities; and to stop and amend any little Faults with Shell Gold.

Note, That the Composition here called *Vermeil*, is made of Gum Gutta, Vermillion, and a little of some ruddy brown Colour, ground together, with *Venice* Varnish, and Oil of Turpentine. Some *Gilders*, in lieu hereof, content themselves with fine Lacca, or Dragon's Blood, with Gum Water.

Sometimes instead of burnishing the Gold, they burnish the Ground, or Composition laid on last before it; and content themselves afterwards to wash the Part over with Size. This Method is chiefly practised for the Hands, Face, and other Nudities in Relievo; which by this Means, do not appear so very brilliant as the Parts burnish'd; tho' much more so, than the Parts perfectly flat or matted.

Note, That to *gild* a Work, and yet preserve white Grounds, they apply a Layer of *Spanish* White, mixed with a weak Fish Glue, on all the Parts of the Ground whereon the yellow, or the Layer next under the Gold, might run.

The Art of *Gilding* was not unknown among the Antients, though it never arose among them at the Perfection to which the Moderns have carried it. *Pliny* assures us, that the first *Gilding* seen at *Rome*, was after the Destruction of *Carthage*, under the Censorship of *Lucius Mummius*, when they began to *gild* the Ceilings of their Temples, and Palaces; the Capitol being the first Place on which this Enrichment was bestow'd. But he adds, that Luxury advanced on them so hastily, that in a little Time you might see all, even private and poor Persons, *gild* the very Walls, Vaults, &c. of their Houses.

We need not doubt but they had the same Method with us of beating Gold, and reducing it into Leaves; though it should seem they did not carry it to the same Height; if it be true, which *Pliny* relates, that they only made seven hundred and fifty Leaves, four fingers square, of a whole Ounce. Indeed he adds, that they could make more; that the thickest were called *Bractea Prænestina*, by Reason of a Statue of the Goddess *Fortune*, at *Præneste*, gilt with such Leaves; and that the thinner Sort were called *Bractea Quæstoria*.

The modern *Gilders* do also make use of Gold Leaves of divers Thickness; but there are some so fine, that a Thousand don't weigh above four or five Drachms. The thickest are used for *Gilding* on Iron, and other Metals; and the thinnest on Wood; but we have another Advantage over the Antients, in the Manner of using and applying the Gold. The Secret of Painting in Oil, discover'd of late Ages, furnishes us with Means of *Gilding* Works, that shall endure all the Injuries of Time and Weather, which to the Antients was impracticable. They had no Way to lay the Gold on Bodies that would not endure the Fire, but with Whites of Eggs, or Size; neither of which will endure the Water: So that they could only *gild* such Places as were shelter'd from the Moisture of the Weather.

The *Greeks* called the Composition on which they applied their *Gilding* on Wood, *Leucophæum*, or *Leucophorum*, which is described as a Sort of glutinous, compound Earth, serving, in all Probability, to make the Gold stick, and bear polishing; but the Particulars of this Earth, its Colour, Ingredients, &c. the Antiquaries, and Naturalists, are not agreed upon.

GLASS-GRINDING.

GLASS-GRINDING, as I take it in this Place, is the Method of rubbing, or wearing off the irregular, and otherwise redundant Parts of the Surface of a Piece of Glass, and reducing it to the destin'd Figure, whether that be flat, concave, or the like.

This Art is more particularly appropriated to grinding of *Optick-Glasses*.

Optick-Glasses, are ground either *Concave*, or *Convex*, so as either to collect or disperse the Rays of Light; by Means whereof Vision is improved, and the Eye strengthen'd, preserv'd, &c.

For *Convex-Glasses*, the first Thing to be done is to provide a Dish or Bason, within whose Cavity, the Glass is to be form'd. In order to this, they take a Piece of Brass, Copper, Iron, or Wood, and form it into a Segment of a Circle, having the Radius of the Bason, or Dish intended. This done, a Bason is forged by a Smith, either of Iron or Copper, having its Cavity exactly fitting, or corresponding to the Segment above-mention'd.

If the Artist chuses rather to have the Bason cast, he must take Clay well dried, pulverize and sift it; mix it up with Water, and then strain, or filter it; with this he works up Horse-Dung, and Hair shred small, till the Mass be sufficiently tough; to which, on Occasion, may be added Charcoal-Dust, or Brick-Dust, well sifted.

Two coarse Moulds are then prepar'd of a gritty Stone, the one Convex, the other Concave, which are to be ground on one another with wet Sand between, till such a Time as the one perfectly fits the other; by this Means a perfect spherical Figure is acquir'd. The Mass prepar'd before, is now to be extended on the Table with a wooden Roller, till it be of a Thickness proper for the Glass; and then being strewed with Brick-Dust to prevent its sticking, it is laid over the convex Mould, and so gets the Figure of the Glass. When this is dry, it is cover'd with another Lay of the same Mass, which once dried, both Covers, or Segments of the hollow Sphere, made of Clay, are taken off. The Innermost of the two being laid aside, the Stone Mould is anointed with a Pigment prepar'd of Chalk and Milk, and the outer Cover again put over it, &c.

But if the Bason forg'd by the Smith is to be used, when it is thus roughly form'd, it must be finished in the Pewterer's Lath, or on a Stone Mould, fixed to an Iron Axis, with a Pinion moveable by a Wheel, and that by a Winch or Handle.

The Bason being ground on the Mould, till it exactly fits in all Parts, is taken off, and cemented to a wooden Block (loaden if needs be with Lead) strew'd over with fine sifted Sand, and thus ground over again on the Mould, till all the Furrows or Scratches be quite taken away.

Lastly, large Pieces of Glass are ground in a Bason, with fine Sand between; till such Time as its Surface being well smoothed, there is no longer an Opposition to the Motion.

Note, That the Dish is known to be perfectly finished, when a Hair being stretched over it, its Shadow projected on the Cavity, particularly in a *Camera obscura*, does not appear distorted.

The Bason finished, the Artist proceeds to chuse Glasses for the Purpose; which he does by laying them on clean Paper, and observing what Colours are projected thereon; for the same are the Colours of the Glasses. Always setting aside those of the darker Colours, and chusing the brighter; but as the whitest and brightest have usually Veins, and besides, in Tract of Time, by the Humidity of the Air are apt to rust, and lose their Polish; for this Reason *Huygens* recommends those a little yellowish, reddish, or greenish; *Hevelius* the bluish.

Note, That a Glass is found to be free from Bubbles, Sands, Veins, Knots, and Spires, by holding it to

the Sun, and receiving the Rays through it on a white Paper; for the Flaws abovementioned will each project a Shadow thereon.

Note, also, That if instead of lenticular, or at least spherical Glasses, we make use of Plate Glass; it must be divided and cut with a Diamond into Squares; and if it be too thick to break otherwise, we may do it by laying it on a Table covered with a Cloth, in such manner, as that the Side, or Part to be severed, hang over the Edge; for being struck with an Iron Instrument in this Situation, it easily breaks in the Direction of the Line drawn by the Diamond.

Having thus got a square Piece of Glass, we must describe two concentrick Circles thereon, with a Pair of Compasses, one of whose Legs carries a Diamond; the Diameter of the inner Circle to be equal to the Breadth of the intended *Lens*, and that of the outer somewhat more, and break off the Corners as above directed; taking off the lesser Inequalities on a grinding Stone, or the like. We examine, next, whether the Piece of Glass be every where equally thick; if it be not, we must reduce it to such Equality, by *grinding* it on an Iron Plate with Sand and Water.

Lastly, we glue, or cement the Glass, thus prepared, to a wooden Handle, with a Cement made of Pitch, and a fourth Part of Rosin; or one Part of Wax, and eleven of Colophony; taking Care that the Base, or Bottom of the Handle, be equal to the Glass; and that the Center of the Glass and Handle meet together. Smaller *Lens's*, as those used for Microscopes, are fixed on with Sealing Wax.

All Things thus prepared, there remains nothing but to *grind* the Glass, and bring it to the Convexity required; which is performed by smearing over the Dish equally with fine sifted Sand moisten'd with Water; then taking the Handle with the Glass thereon, working it over, sometimes this Way, and sometimes that, to prevent the Form of the Bason from being disturbed; never leaning too hard thereon.

When the Glass has got the Figure of the Bason, we must clean it well of all the Sand, and Filth adhering; and sprinkle the Bason over with Emery moistened with Water; *grinding* the Glass thereon, till all the Roughness, and Inequalities, are taken away. After this, the Sand used in Hour-Glasses may be of Service, applied, and used as before; remembering to take out the Sand when too much worn, and substitute new in its Stead. Some, in lieu hereof, chuse several Sorts of Emery, each finer than the other, or even the Powder of Flints calcined and pounded.

Lastly, the same Glass must be ground in another Bason or Dish, which is a Segment of a lesser Sphere, making use of the like Sand as before; till it has got a pretty high Rim or Margin all around.

Note, That in regard the Pressure is not here determined accurately enough upon the Middle of the Glass, by the mere Guidance of the Hand, some have chose to make use of the following Machine, especially for *grinding* Object-Glasses. They fix the Dish on an horizontal Table; and let the Aperture of the Machine be over its Center, through which passes an Iron Arm five or six Inches long, fastened to a Staff; leaving the other End of the Staff to be fitted into a Hole cut in the Dish, and fastened therein. Now to grind the Glass instead of the Dish, they take hold of the said Staff and work with Sand, &c. as before.

Note, also, That *Huygens* tells us, that he first used coarse Emery, then a fine Powder of the same, which would be fifty Seconds in sinking to the Bottom of a Vessel of Water, putting in fresh every half, or quarter of an Hour. Sometimes too, he used Emery of fifty Seconds for $\frac{1}{2}$ of an Hour; then Emery of 400 Seconds for $\frac{1}{4}$ of an Hour; and lastly, Emery of 45 Minutes, for $\frac{1}{2}$ of an Hour.

The

The Manner of grinding *Concave Lens's*, is to cement a little Piece of Copper to the End of the Arbor of a Lath, and turning it till it forms a Dish or Bafon, of the Diameter of the Lens required; then a Piece of clear Glas is cemented on one of its flat Sides, to the End of a little Maudrel with black *Spanish Wax*; and thus grinding on the Side not cemented on a Grindstone with Water till it have nearly acquired a concave Figure. It is finished in the Lath, by turning it in the Bafon, with fine wet Sand, or Grit-stone; which Grit must be often repeated fresh, till the Lens appear very round. When it is come to that Point they cease to take any fresh Stone, but continue to turn it in the Bafon, till the Remains of the Sand are become so fine as to have polished it; which is perceived when upon wiping it, the Image of the Window of the Place is seen painted on its Surface; if it does not, it is wetted in Water without any Sand, and turned till it have got a Polish: The Bafon is then covered within-side with two or three Folds of Linnen, and the Polish of both the *Convex* and *Concave Glafs*, finished with Putty or Tripoly of Venice steeped in Water.

They are known to be perfectly polished, when, viewing them with a Magnifier, there appear no Scratches of the Sand. The Cement is then broke off, and the polished Side cemented, to work and *grind* the other, as before, till the Edges of the *Lens* become sharp, and is perfectly polished on either Side. When finished, they are washed in Spirit of Wine, to take off all Remains of the Wax.

Note, That the principal among *Optick Glasses*, are *Telescopes*, *Microscopes*, *Spectacles*, *Reading-Glasses*, *Magick Lanthorns*, &c. whose Glasses are all ground in the Manner abovementioned.

Glass-grinding, is also appropriated to the Act of smoothing, or polishing the Surface of *Glafs* for *Looking Glasses*.

In order to this, the Plate of *Glafs* is laid horizontal on a Stone, in Manner of a Table; and to secure it the better, plaister'd down with Mortar, or Stucco, that the Effort of the Workman, or of the Machine used therein, may not shake, or displace it: To sustain it, there is a strong wooden Frame, that surrounds it an Inch or two higher than the *Glafs*. The Bottom, or Base of the *grinding Engine*, is another tough *Glafs*, about half the Dimensions of the former: On this is a wooden Plank, cemented thereto; and upon this are proper Weights applied to promote the Triture; the Plank, or Table, being fastened to a Wheel, which gives it Motion. This Wheel, which is at least five or six Inches Diameter, is made of a very hard, but light Wood, and is wrought by two Workmen, placed against each other, who push and pull it alternately; and sometimes, when the Work requires it, turn it round: By such Means a constant mutual Attrition is produced between the two *Glasses*, which is favoured by Water, and Sand of several Kinds

bestowed between; Sand still finer and finer being applied, as the *Grinding* is more advanced; at last Emery is used: We need not add, that as the upper, or incumbent *Glafs*, polishes and grows smoother, it must be shifted from Time to Time, and other put in its Place.

Note, That only the largest size *Glasses* are thus ground with a Mill; for the middling, and smaller Sorts are wrought by the Hand, to which End there are four wooden Handles at the four Corners of the upper Stone, or Carriage, for the Workmen to take hold of, and give it Motion.

The Plate being thus fitted for *Polishing*, a wooden Parallelepiped, lined with *Tripoli Earth*, or burnt Tin, temper'd with Water, is laid on the Plate, and worked to and again, till the *Glafs* have got a perfect Politure.

Note, That it is found extremely difficult to bring the *Glafs* to an exact Plainness. *Hewelius* judges more Art required to bring *Glafs* to a perfect Plane, than to a Sphere. For polishing large Plates of *Glafs*, they have a Machine for the Purpose.

The Plate being polished, if it be for a *Looking-Glafs*, thin blotting Paper is spread on a Table, and sprinkled with fine Chalk; this done, over the Paper is laid a thin Lamina, or Leaf of Tin, on which is poured Mercury, which is to be equally distributed over the Leaf with a Hare's Foot or Cotton; over the Leaf is laid a clean Paper, and over that the *Glafs Plate*. With the left Hand the Plate is pressed down, and with the Right the Paper is gently drawn out; which done the Plate is covered with a thicker Paper, and loaden with a greater Weight, that the superfluous Mercury may be driven out, and the Tin adhere more closely to the *Glafs*. When it is dried the Weight is removed, and the *Looking-Glafs* is compleat.

Note, That some add an Ounce of Mercury to half an Ounce of Marcasite melted by the Fire; and lest the Mercury evaporates in Smoak, pour it into cold Water, and when cold, squeeze it through a Cloth or Leather. Some also add a Quarter of an Ounce of Lead and Tin to the Marcasite, that the *Glafs* may dry the sooner.

Note, also, That in the philosophical Transactions, N^o 245, we have a Method of *foliating Globe Looking-Glasses*, communicated by Sir R. Southwell. The Mixture is of Quicksilver, and Marcasite of Silver, of each three Ounces; and Tin and Lead, of each half an Ounce; to the two last thrown on the Marcasite, and afterwards the Quicksilver; stir them well together over the Fire; but they must be taken off, and be towards cooling before the Quicksilver be put to them. When you use it, the *Glafs* should be well heated and very dry; but it will do also when it is cold, though best when the *Glafs* is heated.

The End of the FIRST VOLUME.



I N D E X

T O T H E

F I R S T V O L U M E.

A.

- A** BACUS, in Architecture, 166.
 Abbeses, in Clergy, 721. Their Dignity, *ibid.* Jurisdiction, 722.
 Abbots, in the Clergy, 719. Regular, *ibid.* in Commendam, 720. Their History, 719. Consecration, 720.
 Abdomen, in Anatomy, 56.
 Abel, in Chronology, 501. His History, *ibid.*
 Abex, Coast of, in Geography, 1169. Description thereof, *ibid.*
 Abimelech, in Chronology, 504.
 Abra, Polish Coin, 752.
 Abraham, in Chronology, 502. His History, *ib.*
 Abruzzo, Province, 1139.
 Abyssinia, Empire, in Chronology, 1164. Description thereof, 1165, 1166.
 Abyssins, their Character, 1164.
 ACADEMY, what, 1. Its Name whence, *ibid.* First where, and by whom established, *ib.*
 Academy, Royal of the Sciences in France, 2. Françoise, 3.
 Academy, of Medals and Inscriptions, *ibid.* of Musick, Painting, Sculpture, Politicks, *ib.*
 Academy, of Angiers, 4. of Caen, Montpellier, Thoulouse, in France, *ibid.*
 Academy, of Rome, Bologna, Milan, &c. in Italy, *ibid.*
 Academy, of the Princes, in Prussia, *ibid.*
 Academies of the Jews, 4.
 Academicks, who, 1. Their original Dogma's. Difference between the antient and modern Academicks, *ibid.*
 Acadia, Province, in Geography, 1179. Description thereof, *ibid.*
 Ace-point, at Trick-Track, 1068.
 Acetarium, Pear, in Botany, 367.
 Acetosa pratensis, or Sorrel, in Botany, 369. Description thereof. Its Virtues, *ibid.*
 Achab, in Chronology, 507.
 Achaja, Province, in Geography, 1139.
 Achantus, in Architecture, 166.
 Achaz, in Chronology, 508.
 Achan, City, capital, 1157.
 Acherontick Books of the Romans, 329.
 Acre, Money of Account in the Mogulistan, 761.
 Adam, no Alchymist, 27.
 Addition, in Algebra, 30. Of single whole Quantities. Of compound Quantities, *ibid.*
 Addition, in Arithmetick, 195. Of Numbers of different Denominations, 196. Of Averdupois Weight, *ibid.* For Troy Weight. For Apothecaries Weight, *ibid.* In Cloth Measure. In Wine Measure. In Long Measure, *ibid.* Of Decimals, 197. Vulgar Fractions, 212. Mixed Number, *ib.* Decimal Fractions, 215.
 Adelftan, King of England, 557.
 Aderbijan, Province, in Geography, 1148.
 Adiposa, Membrane, in Anatomy, 56.
 Admiral, in Army, 240. High, Vice, Rear Admiral, 240, 241.
 Adrian, Emperor, in Chronology, 523. His History, *ibid.*
 Adrian I. Pope, in Chronology, 579. His History, *ibid.*
 Adrian IV. Pope, in Chronology, 582. His History, *ibid.*
 Aedes in Antis, in Architecture, 407.
 Aelius Pertinax, Emperor, in Chronology, 527. His History, *ibid.*
 Aethiops Mineralis, in Chymistry, 640. Preparation thereof. Its Virtues, *ibid.*
 Era of the Invention of Coining, 728.
 Affability, in Ethicks, 942.
 Affections of the Soul, in Ethicks, 942, 943.
 AFRICA, Country, 1158. History, Description, and Division thereof, 1158, 1159.
 Africans, their Character, 1159.
 Agapius, Theologian, 970. His Doctrine of the Eucharist, *ibid.*
 Aggerhus, Government, 1123.
 Agila, King of the *Wifgoths*, 543. His History, *ibid.*
 Agiluphe, King of the *Lombards*, 556. His History, *ibid.*
 Agora's, in Architecture, 137.
 Agra, City, Capit. 1150.
 Agricola, Botanist, 16.
 AGRICULTURE, 5.
 Agrimony, in Botany, 370.
 Ajan, Coast of, 1168.
 Air, in Elements, 904. Of Aristotle, Des Cartes, Boyle, *ibid.* Newton, Coetlogon, 904, 905.
 Airek, Province, 1178.
 Aix, City, Archbishop, 1102.
 Aix la Chapelle, City, 1106.
 Al, in Chymistry, 622.
 Ala, in Anatomy, 87.
 Albania, Province, 1139. Description thereof, *ibid.*
 Albe, Duke of, 455. His Character, *ibid.*
 Albert, of Austria, King of Bohemia, 568.
 Abigeeis, Country, 1101.
 Alboin, first King of the *Lombards*, 555. His History, *ibid.*
 Alborg, Province, 1123. Description thereof, *ibid.*
 Albrecht-Jeanne, Queen of Navarre, 442. Her Character, *ibid.*
 Albuginea, in Anatomy, 64. Use thereof, *ibid.*
 Alchimilla, Persepier, in Botany, 370. Description thereof. Its Virtues, *ibid.*
 Alchimilla Supina, Knawel, in Botany, 370. Description thereof. Its Virtues, *ibid.*
 Alchymists, their Character, 23.
 ALCHEMY, 23. Its Objects, *ibid.*
 Alektoromancy, in Astrology, 254.
 Alembick, in Chymistry, 625.
 Alentejo, Province, 1131. Description thereof, *idem.*
 Alexander the Great, in Chronology, 518. His History, *idem.*
 Alexander, Patriarch of Alexandria, 178. His Conduct towards Arius, 179.
 Alexander, Son of Mamea, Emperor, 528. His History, *ibid.*
 Alexander I. King of Poland, 565.
 Alexander, in Chronology, 514. His History, *ibid.*
 Alexandria, Province, 1160.
 Alexis Comnene, Emperor of the East, 537.
 Alexis II. called Porphyrogenita, Emperor, 537.
 Alexis III. Emperor of the East, 537.
 Alexis IV. Emperor of the East, 537.
 Alexis V. Emperor of the East, 537.
 Alexio, Province, 1139. Description thereof, 1139, 1140.
 Algarves, Kingdom, 1131. Description thereof, *ibid.*
 ALGEBRA, 28.
 Alger, Kingdom, 1161.
 Alger, City, Capit. *ibid.*
 Alkaest, in Chymistry, 622.
 Alkaly, in Chymistry, *ibid.*
 Alkekengi, Winter-Cherry, in Botany, 370. History thereof. Its Virtues, *ibid.*
 Alkool, in Chymistry, 622.
 Alley, in Gardening, 19. Counter, Front, Transverse, Diagonal, Sloping, in Zigzac, in Perspective, *ibid.*
 Alligation, in Arithmetick, 208.
 Alloy, in Coining, 738.
 Allum, in Chymistry, 664. History thereof, 664, 665.
 Almonds, in Confectionary, 826. Pearled, Glazed, *ibid.*
 Aloes, in Chymistry, 687. History thereof. Its Virtues, *ibid.*
 Alphonsians, a Sect. of Astronomers, 258.
 Alphonsus I. called the Chaste, K. of Leon, 568. His History, *ibid.*
 Alphonsus VII. King of Castile, 567. His History, *ibid.*
 Alphonsus VIII. King of Castile, *ibid.* His History, *ibid.*
 Alphonsus I. King of Portugal, 572. His History, *ibid.*
 Alphonsus II. King of Portugal, *ibid.* His History, *ibid.*
 Alphonsus IV. King of Portugal, *ibid.* His History, *ibid.*
 Alphonsus V. King of Portugal, *ibid.* His History, *ibid.*
 Alphonsus-Henry, King of Portugal, *ibid.* His History, *ibid.*
 Alface, Province, 1115.
 Altimetry, 1186.
 Amalgamate, to, in Chymistry, 622.
 Amaranthus Silvestris, in Botany, 370.
 Amazia, Province, 1144.
 Amazons, their Country, 1175.
 Ambervallia, Feast of the Romans, 996. Solemnity thereof, *ibid.*
 Ambergrease, in Chymistry, 668. History thereof, 669.
 Ambo, or Ambon, in Building, 406.
 Amboise, Conspiracy of, 443, 444.
 AMERICA, Country, 1171. Southern, Northern. Description thereof, 1174, 1176, 1177. Discovered by Columbus, 568.
 Americans, their Character, 1172.
 Anienois, Province, 1093.
 Amiens, City, *ibid.*
 Amity, in Ethicks, 944.
 Ammonius, sacred Writer. His Works, 321.
 Amphitheatre, of Fidenes, 523.
 Amputation, in Chirurgery, 495.
 Amsterdam, City, 1113.
 Amurath I. Emperor of the Turks, 588. His History, *ibid.*
 Amurath II. Emperor of the Turks, *ibid.* His History, *ibid.*
 Amurath IV. Emperor of the Turks, 589. His History, *idem.*
 ANABAPTISM, 40.
 Anabaptists, 41.
 Anacamperos, Orpin, in Botany, 371. Its Virtues, *ibid.*
 Anagalis, Calves Snouts, in Botany, 371. History thereof. Its Virtues, *ibid.*
 Analysis, in Chymistry, 617.
 Anandale, Province, 1127.
 Anastasius I. Emperor, 533. His History, *ibid.*
 Anastomosis, in Anatomy, 104.
 ANATOMY, 43. Divided into Osteology, Sarcology, *ibid.*
 Anchylosis, in Chirurgery, 478.
 Ancona, March of, 1132.
 Andronicus, Emperor, 537.
 Anel, French Surgeon, 488.
 Anelitra, Insect, 121.
 Aneurisma, in Chirurgery, 462.
 Angels, in old English Coins, 742.
 ANGELS, 106. Their Existence, 109. Their Manner of being present, 110. Their Diabol, *ibid.*
 Angermania, Province, 1122.
 Angiers, City, Bishop, 1096.
 ANOLOGY, 105.
 Angle, in Fortification, 1013. Of the Centre. Of the Polygon. Of the Bastion. Of the Courtine. Of Defence, Flanking, Flanked. Of the Epaul, *ibid.* In Geometry, 1187.
 Plane, Superficial, Spherical, Obtuse, Acute, Alternate, *ibid.* Of a Segment, 1193. In the Segment, *ibid.* Solid, *ibid.*
 Anglesea, Province, 1127.
 ANGLING, 1009. For a Carp, Chavin, Gudgeon, 14 C

INDEX to the FIRST VOLUME.

- Gudgeon, Pearch, *ibid.* Pike, 1010. Roach, Tench, Trout, Barbel, &c. 1011.
- Angofcia, Kingdom, 1168.
- Angoulême, City, 1097.
- Angoumois, Province, *ibid.* Description thereof, *ibid.*
- Angulus Aurelia, Insect, 121.
- Angus, Province, 1127.
- Animal Substances, 116.
- ANIMALS, 112. amphibious, 117. anomalous, aquatick, 117. brought into the Ark, 127.
- Anjou, Province, 1096. Description thereof, *ibid.*
- Annates, what, 410.
- Anna, City, Capit. 1177.
- Anne, Queen of Great-Britain, 560. Her History, *ibid.*
- Anne du Bourg, a French Calvinist, 441. His History, 441, 442.
- Anne Forwananna, Czarine of Muscovy, 563. Her History, *ibid.*
- Anomaly, in Astronomy, 260.
- Anonis, Rest-Arrow, in Botany, 371. Description thereof.
- Anti-Bear, in Animals, 116.
- ANTEDELUVIAN, 126.
- Antelope, Animal, 116.
- Anti-temple, in Building, 406.
- Anthony of Bourbon, King of Navarre, 561.
- Anthony Godeau, Bishop of Vence. His Sentiment on Bulls for Benefices, 410.
- Anthony Maria Schyrleus. His Observations on Jupiter's Satellites, 287.
- Anthony of Noailles, Cardinal. His Conduct in the Affair of the Constitution Unigenitus, 415.
- Anthony Maynard assassinated, 44.
- Anthropomancy, in Astrology, 254.
- ANTICHRIST. His History, 131.
- Anti-constitutionaries. Their History, 412, 413.
- Antient Manuscripts, 146.
- Antient Medals, in Antiquities, 144.
- Antilles, Isles. Description thereof, 1180.
- Antimonial Panacea, in Chymistry. Preparation thereof, 649. Its Virtues, *ibid.*
- Antimony, in Chymistry. History thereof, 644. Its Virtues, *ibid.*
- Antinous, in Astronomy, 282.
- Antipodes, in Geography, 1080. Their History, 1081.
- Antique Busto's, in Antiquities, 144.
- ANTIQUITIES, 133. History thereof, 133, 134, 135.
- Antitypes, in Eucharist, 970, 971.
- Antolians, in Geography, 1080.
- Antonine Column, in Antiquities, 138.
- Antoninus Pius, Emperor, 526. His History, *ibid.*
- Antoninus, Son of Caracalla, Emp. 527. His History, *ibid.*
- Antonius, Antiquary, 146.
- Antrax, in Chirurgery, 463.
- Antrim, Province, 1128.
- ANTROPOPHAGY, 148.
- Antwerp, Marquisate, 1112.
- Aparine, Goose-Grass, in Botany, 371. Description thereof. Its Virtues, *ibid.*
- Aphelion, in Astronomy, 261.
- Aphorism, in Building, 409.
- Apices, in Botany, 362.
- Apium, Smallage, in Botany, 371.
- Aples, in Botany, 366.
- Apogee of the Moon, in Astronomy, 275. Its Irregularity, *ibid.*
- Apollonius Tyanæus, a Magician, 245.
- Apology for the Christians. Of Quadratus, Of Aristides. Of Justinus, Of Meliton, 318, 320.
- Apophysis, in Anatomy, 44. Pterigoides, 48. Condiloides, 52. Coronoides, *idem.* Styloides, 53.
- Apostolical Chamber, what, 411.
- Apostolick Church, 601. History thereof, 601, 602, 603.
- Apothecaries, 149. Their History, 149, 150, 151.
- Apothecary-Shop. How fitted, 151, 152.
- Apis, in Building, 406.
- Apparatus, in Chirurgery, 481. For the Humerus, *ibid.* Radius, Ribs, inferior Jaw-bone, Clavicle, Rotula, *ibid.*
- APPARITION, 153. Of the antient Prophets, 154. Modern, 156. Reasoning against them, *ibid.*
- Appenzel, Canton, 1116. Description thereof, *ibid.*
- Appetite, in Ethics, 923. Natural, sensitive, *ibid.*
- Application of Planets, in Astrology, 244. Combustion, Frustration, Reception, Refrenation, Retrogradation, Separation, Translation thereof, *ibid.*
- Approaches, in Fortification, 1025. How conducted, 1025, 1026. Counter, 1031.
- Aqua fortis, in Chymistry, 656. Preparation thereof, 657. Remarks thereupon, *ibid.*
- Aqua regia, Preparation thereof, 658. Remarks thereupon, 659.
- Aqua stygia, 622.
- Aquarius, in Astronomy, 281.
- Aquila in Astronomy, 282.
- Aquifolium, Holly, in Botany, 371. Description thereof, its Virtues, *ibid.*
- Aquin III. King of Norway, 564. His History, *ibid.*
- Ara, in Astronomy, 282.
- Arabia, Country.
- Aracan, Kingdom, 1152. Description thereof, *ibid.*
- Ararat, Mountain, 1146.
- Arbor, or Spindle, in Clock-making, 727.
- Archbishop, in Clergy, 711. His Duties. Jurisdiction.
- Archbp. of Canterbury. His Jurisdiction, 422.
- Archbishoprick, what, 711.
- Archdeacon, in Clergy, 706. In the English Church, 707.
- Archdeaconry, 706, 707.
- Arches, in Building, 403. crossed, fascinated, flat, circular, grinded, shell-like, &c. *ibid.*
- Arches, in Antiquities, triumphal, 139.
- ARCHITECTURE, 160. civil, military, naval. *ibid.* antient, 163. gothick, modern, *ibid.*
- Architects, 177.
- Architrave, in Architecture, 166.
- Arch-priest, in Clergy, 706.
- Argos, in Astronomy, 282.
- Argyle, Province, 1127.
- ARIANISM, Heresy, 178. History thereof, 178, 179, &c.
- Aries, in Astronomy, 281.
- Aristulpe, King of the Lombards, 556.
- Arius, Heresiarch, 178.
- Arles, City, Bishop, 1102.
- Arlet, Mother of William the Conqueror. Her Dream, 250.
- Arm, in Anatomy, 52.
- Armagh, Province, 1129.
- Armagnac, Province, 1100.
- Armillary Sphere, in Astronomy, 257.
- Armacchiquois, Nation, 1178.
- Arms, of the Roman Armies, 239.
- ARMY, 222. Disposition, *ibid.* Evolutions, 225. Marches, 226. Order of Battle, 227. Campment, 228. Skirmishes, 229. Combats, *ibid.* Flying Camp, &c. *ibid.*
- Arragon, Kingdom, 1130.
- Arran, Earl of, in Scotland, 446.
- Arran, Province, 1127.
- Arras, City, Bishoprick, 1113.
- Arlenick, in Chymistry, 650.
- Artemisia, her Monument to Mausoleus, 142.
- Arteria Pulmonaris, in Anatomy, 75. Its Situation, Office, &c. *ibid.*
- Arteria Iliaca, 104.
- Arteries, in Anatomy, 103. Their Texture, Figure, Pulsation, &c. *ibid.* Great Artery, or Aorta, 75.
- Arthrodia, in Anatomy, 44.
- Articulation, in Anatomy, 43.
- Artick Lands, 1182. Description thereof, *ibid.*
- Artois, Province, 193.
- Aruspice Books of the Romans, 329.
- Arytenoides Cartilage, in Anatomy, 79.
- Asa, in Chronology, 506. His History, 506, 507.
- Ascanius Pedianus, Grammarian, 329.
- Asians, in Geography, 1080.
- Aselli, Insect, 120.
- Asia, Country, 1143. History thereof, 1143, 1144.
- Asiatick War of the Romans, 521.
- Asiatics, their Character, 1144.
- Asinius Pollio, Orator, 329.
- Asmonæans, in Chronology, 513.
- Aspect, in Astrology, 241.
- Asphaltites, in Anatomy, 50.
- Asles in the Roman Coins, 740.
- Asymptotes, in Geometry, 1194.
- After-palustris, Star-wort, in Botany, 370. Description thereof. Its Virtues, *ibid.*
- Asterism, in Astronomy, 267.
- Astiani, Turkish Money of Account, 760.
- Asracan, Kingdom, 1120.
- Astragal, in Architecture, 169.
- Astragalus, in Anatomy, 54.
- Astrologers, their Craft, 242, 245.
- Astrology, Division thereof, *ibid.*
- ASTRONOMY, 255.
- Asturian, Province, 1130.
- Athanasius, Patriarch of Alexandria, 187. His History, 188, 189, 190.
- Athanasior, in Chymistry, 622.
- ATHEISM, 294. speculative, practical, *ibid.*
- Atheists, 294.
- Atol, Province, 1127.
- Atlas, Vortebra, in Anatomy, 49.
- Atlas, King of Mauritania, Astronomy, 291.
- Atrabilis, in Anatomy, — 61.
- Attica, City, 1139.
- Attick Order, in Architecture, 177.
- Attick Base, 173.
- Attila invades Italy, 531.
- Ava, Kingdom, 1151.
- Aubertin, his Doctrine of the Eucharist, 957, 958.
- Auche, City, Bishop, 1100.
- Audience, in Embassies, 913. Ceremonies thereof, *ibid.*
- Adadely, Mr. a French Naturalist, 122.
- Average, in Commerce, 818.
- Augurs, in Astrology, 255.
- Avicenna, his Sentiment on Dreams, 251.
- Avignon, County, 1103.
- Aulus Gellius, 246.
- Aunis, County, 1097.
- Aurelian Way of the Romans, 143.
- Auricles of the Heart, in Anatomy, 74. Their Substance, Situation, Uses, &c. *ibid.*
- Auricula, in Anatomy, 87.
- Auriga, Northern Constellation, 267.
- Aurum fulminans, in Chymistry, 629. Preparation thereof, Remarks thereupon, Its Virtues, *ibid.*
- Aufbourg, City, 1107.
- Austria, Archduchy, 1106.
- Autun, City, Bishop, 1098.
- Auvergne, Province, 198. Description thereof, 198, 199.
- Axillary Vertebra, in Anatomy.
- Axiom, in Geometry, 1186.
- Axis, in Anatomy, 49.
- Axis of the Earth, in Astronomy, 259. Its Parallelism, *ibid.* Theory of its Motion, 259, 260.
- Axis, in Dialling, 867, 873.
- Azimuth of the Sun, in Astronomy, 291.
- Azimuth, Lines of Gunter's Quadrant, *ibid.* Use thereof, 290, 291.
- Azimuth, in Dialling, 867.
- Azores, Isles, 1171. Description thereof, *ibid.*
- B.
- B**abylonian Captivity, in Chronology, 511. History thereof, *ibid.*
- Bacchanalia, Feast of the Romans, 996. Solemnity thereof, *ibid.*
- Bacchiglione, River in Italy, 141.
- Bacciferous Plants, in Botany, 368.
- Baden, Principality, 1116. Description thereof, *ibid.*
- Babus, Government, 1123. Description thereof, *ibid.*
- BAKING, 302. Art thereof, 302, 303, 304.
- Bajazet, Emperor of the Turks, 588. His History, *ibid.*
- Baldaching of Churches, in Building, 406.
- Ballance, in Clock-making, 727.
- Balneum mariae, in Chymistry, 624.
- Balsam. Of Sulphur, Preparation thereof, Its Virtues, *ibid.*
- Balm of Gilead, 157. Peru, Tolu, Copaiba, Mecca, Carpathian, of liquid Amber, *ibid.*
- Baltassar, in Chronology, 517. His History, *ibid.*
- Balteus, in Astronomy, 282.
- Band, in Chirurgery, 461.
- Band, in Book-binding, 333.
- Bandage, in Chirurgery, *ibid.* simple, composed, repulsive, attractive, contentive, divulsive, agglutinative, &c. *ibid.*
- Bank, in Commerce, 687. Of Amsterdam, Of Rotterdam, History thereof, 787, 788, 789, Of Hambourg, 792. History thereof, *ibid.* Of Venice, 798. History thereof, *ibid.*
- BAPTISM, 305. Its Antiquity, *ibid.* That of Christ, *ibid.* Different Manner of administering it, 305, 306. Ceremonies thereof, 306. Three Sorts of Baptism, *ibid.* Its Necessity, 307. That of the Hereticks, 309. Of Children, 307, 308.
- Baptism, at Sea, a profane Ceremony, 312.
- Baptism of Constantine, a Church, 407. Description thereof, *ibid.*
- Baptisteries, what, 312.
- Barack, in Chronology, 504.
- Barbadoes, Island, Description thereof, 1181.
- Barbaro, Architect, 390.
- Barbary, Country, 1160. Division, and Description thereof, 1160, 1161.
- Barca, Kingdom, 1160. Description thereof, *ibid.*
- Barclay's Sentiment on Astrology, 247.
- Bartwrt L. King of Bohemia. His History, *ibid.*
- Bar le Duc, City, 1103.
- Barley-Sugar, in Chymistry, 679. Preparation thereof. Its Virtues, *ibid.*
- Barter, in Arithmetick, 205.
- Bartholin, famous Anatomist, 60.
- Base of the Brain, in Anatomy, 84.
- Base,

INDEX to the FIRST VOLUME.

- Bale*, in Geometry, 1188.
Basil, Bishoprick, 1116.
Basil, Canton, *ibid.* Description thereof, *ibid.*
Basil Valentine, his Sentiment on Water, 907.
Basilicate, Province, 1133. Description thereof, *ibid.*
Bassigny, Country, 1095.
Bastion, in Fortification, 1013. Solid, 1014. Void, Flat, Cut, Composed, Regular, Irregular, &c. *ibid.*
Basta, at Ombre, 1058.
Batavia, City, Capit 1157.
Baths, 139. The most sumptuous at Rome, 140.
Battalion, in Army, 225.
Battery, in Fortification, 1015. Sunk or Buried. In Echarpe, Enfilade, Rouage, Joint, Murdering, *ibid.*
Battle, in Army.
Battle, in Chronology, 231. Of Marathon, 591. Of Mantinea, Granicus, Arbella, Heraclea, Ascoli, Tefsin, Cannes, Porli, *ibid.* Of Thermopyles, 592. Of Pharfalia, Philippi, Pontemole, Burfa, Aquileia, Ravenna, Tolbiac, Xeres, Ronceveaux, Asturias, Fontenay, the Lis, Florines, Benevent, Hastings in England, Cassel the first, Spolette, *ibid.* Of Antioch the first, 593. Of Adrianople, Murador, Bovines, Alcazar, Taillebourg, Massoura, Furnes, Coutray, Mons, Cassel the second, Creci, Poitiers, Auray in Brittany, Cocherel in Brittany, Nachara, Montia, Nicopolis, Angolia, Agincourt, Bauge, Vineville, Famigni, Castillon, Grave, Wakefield in England, Morat, Leicester in England, Fornoue, Giera-Dadde, Ravenna, Flodden, Zalderam, Marignan, Mohas, Cerisole, Mulberg, Renti, St. Quintin, Gemningen, *ibid.* Of Jarnac, 595. Of Montcontour, Alcazer, Alcantara, Pontcharra, Prague, Wolgast, Leipfick, Altemberg, Lutzen, Wistock, Witten-weyl, Rqcroy, Fribourg, Mariendal, Balaguér, Nortlingen the second, The Plain of Lens, Rethel, Worcester in England, Estremos, Rahab, Villaviciosa, Choczim, Zeintzeim, Senef, Entheim, Altheinhina, Leopold, Landen, Cassel third, Spoille, Fleurus first, Stafard, 597. Of Leuse, Steinkirk, Marfal, Nervinde, Rridlingen, Hochstet first, Spire, Hochstet second, Cassano, Frayenslad, Ramellies, Almanza, Audenard, Taniers, Denain, Peterwaradin, Parma, Guastalla, Krotska, Panchova, Wolmitz, Wilmanstrand, *ibid.*
Bavaria, Electorate, 1007. Description thereof, *ibid.*
Baudouin I. Emperor of the East, 537. His History, *ibid.*
Baudouin II. Emperor of the East, 537. His History, *ibid.*
Bautzen, City, 1110.
Bauvois, Province, 1094.
Baya, Capitanate, 1175.
Bayeux, City, Bishop, 1094.
Bayonne, City, Bishop, 1100.
Bazadois, Territory, 1099. Description thereof, *ibid.*
Bazar, City, Bishop, *ibid.*
Beam in Building, 400. Theory thereof, 401.
Bearn, Province, 1100.
Beall, at Ombre, 1060.
Beatitude, in Ethics, 926. Natural, supernatural, *ibid.* Of the Epicureans, Cyrenaians, *ibid.* Of the Stoicks, 927. Of the Peripateticians, *ibid.* Of the Platonicians, 928. Of the Christians, *ibid.* Objective, 929. Formal, *ibid.*
Bedford, County, 1126.
Bees, their Government, 125.
Belisarius, defeats the Persians, 534.
Bell, in Foundry, 1035. History thereof, 1035, 1036.
Bellamafki, Province, 1120.
Belly, or Venter, in Anatomy, 55.
Belus, in Chronology, 505.
Benedict XIII. Pope, 585.
Benin, Kingdom, 1164. Description thereof, *ibid.*
Benzoïn, in Chymistry, Preparation thereof, 689.
Berengarius, his Doctrine of the Eucharist, 956, 957.
Bergamasco, Province, 1133.
Berghin, City, capital, 1123.
Bergenhuis, Government, 1124.
Berks, County, 1126.
Berg-street, Government, 1117.
Berlin, City, cap. 1110.
Berm, in Fortification, 1015.
Bern, Canton, 1116. Description thereof, *ib.*
Bern Genga, an Italian, 77.
Bernaulti, Mr. Astronomer, 263.
Berries, in Botany, 367.
Berry, Province, 1097.
Beza, a Calvinist, 449. his History, 449, 450, 451.
Biafara, Country, 1165. Description thereof, 1166.
Biafarians, their Character, 1165.
Bible, 313.
Bibles, distinguished into Hebrew, 313. Into Greek, 313, 314. Latin, 314. Samaritan, *ibid.* Chaldee, 314, 315. Syriac, 315. Ethiopick, Armenian, Persian, *ibid.*
Bielki, Province, 1120.
Bieloforo, Province, 1100.
Bigiham, Province, 1141.
Bigore, Province, 1100.
Bile, in Anatomy, 60. Its Use, *ibid.*
Biledulgerid, Country, 1162. Description thereof, 1162, 1163.
Bill, in Commerce, of Exchange, 760. Form thereof, 770. How accepted, 772. How paid, 773, 774. Inland Bills, *ibid.* How negotiated, *ibid.* How protested, *ib.* Bills of Debt, 819. Lading, Parcels, *ibid.* Entry, 820. Sale, *ibid.*
Bind, to, in Falconery, 991.
Bird-catching, 1044, 1045, 1046.
Bird-time, in Fowling, 1038.
Birds, in Animals, of Prey, 118. Nocturnal, Diurnal, *ibid.* of Passage, 119.
Biscay, Kingdom, 1130.
Bishop, at Chefs, 1059.
Bishoprick, what, 715.
Bishops, in Clergy, 704. Their Duties, Jurisdiction, &c. 712. Their Election in the Primitive Church, *ibid.* Their Nomination and Consecration, both in the Roman and Anglican Church, 712, 713. Their Dignity in the Anglican, 715. Their Duties, &c. 723.
Bishops, in partibus, 706, 712.
Bisk of Pidgeons, in Cookery, 827.
Biskets, in Confectionary, 825. Common, *ibid.* Orange-flowers, *ibid.*
Bladder, in Anatomy, 63.
Blaisot, Territory, 1196.
Blanche I. Queen of Navarre, 560. her History, *ibid.*
Blegny, French Surgeon, 474.
Blondel, his Doctrine on the Eucharist, 957.
Blondel, an Engineer, 1020.
Bobbing for Eels, 1009.
Bohemia, Kingdom, 1108. Division thereof, 1108, 1109.
Bohemians, their Character, *ibid.*
Bolognese, Province, 1132.
Bon, M. French Naturalist, 122.
Bonafus, Animal, 116.
Bone, in Anatomy, 43.
Bones, their Difference, with regard to their Substance, Quantity, Figure, Situation, Motion, Uses, Sense, Generation, and Cavities, *ibid.* Their Number, 45. Names, *ib.*
Bones, of the Head, 45. Temples, 47. Nose, 48. Palate, Pomette, *ib.* Spine, 49. Loins, 50. Thorax, *ibid.* Hips, 51. Pubis, *ibid.* Arms, 51, 52. Hands, 53. Legs, 53, 54. Feet, 54, 55.
Bonifacius II. Pope, 576. his History, 577.
Bonifacius III. Pope, 577. his History, *ibid.*
Bonifacius VIII. 584. his History, *ibid.*
BOOK-BINDING, 333.
BOOK-KEEPING, 335.
Books, Canonical, Translation thereof, 314. Hebrew, and Greek, 313. Latin, Samaritan, Chaldee, *ibid.* Syriac, Ethiopick, Armenian, 314.
Books, of divine Institution, 330. Anonymous, 331. Spurious, *ibid.* Interpolated, 332.
Books, in Commerce. Of Envoice, 339. Method of keeping it, *ibid.* Of Account current, 340. Method of keeping it, *ibid.* Of Remittances, *ibid.* Method of keeping it, *ib.* Of Expences, *ibid.* Method of keeping it, *ib.* Of Numero's, *ibid.* Method of keeping it, *ibid.* Of Vessels, *ibid.* Method of keeping it, *ib.* Of Cargoes, 341. Method of keeping it, *ib.* Of Workmen, *ibid.* Method of keeping it, *ib.* Of Rates, *ib.* Method of keeping it, *ibid.* Of Charges of Merchandises, 341. Method of keeping it, *ibid.*
BOOKSELLERS, 344.
Bootes, in Astronomy, 281.
Borneo, Island, 1157. Description thereof, *ib.*
Bosseduc, City, 1113.
Boston, City, 1178.
BOTANY, 349.
Boschnia, Province, 1122.
Boulonois, Government, 1093.
Bourbon, Anthony of, King of Navarre, 442. Favours the Calvinists, *ibid.* Declares against them, 453. Kill'd at the Siege of Rauen, 454.
Bourbonnois, Province, Description thereof, 1098.
Bourdeaux, City, Archbishop, 1094.
Bourges, City, Bishop, 1097.
Boyau, in Fortification, 1025.
Brabant, Dutchy, 1112. Description thereof, *ibid.*
Bradley, a celebrated English Gardener, 16.
Brain, in Anatomy, 81. Its Substance; Division, Uses, &c. *ibid.*
Branches, in Botany, 359.
Brandenbourg, Electorate, 1110. Description thereof, *ibid.*
Brazil, Country, 1175. Description thereof, *ib.*
Brazilians, their Character, *ibid.*
Breach, in Fortification, 1031.
Breasts, in Anatomy, 71. Their Situation, Substance, Figure, Uses, &c. *ibid.*
Brecknock, County, 2126.
Breeding of Fish, 1011, 1012.
Bremen, Dutchy, 1111. Description thereof, *ibid.*
Bressan, Province, 1133.
Bresse, Province, 1098. Description thereof, *ibid.*
Breviary, Latin Church's Book, 328.
BREWING, 385. Method thereof; 386. March and October Beer, 387.
Briançon, City, Bishop, 1102.
Bricks, in Building, 390.
Bridges, antient, 140. The most celebrated now standing, 141.
Bridges, in Building, 407. Different Forms, and Dimensions thereof, *ibid.*
Bridges of Stone, 407. Head, Foundations, and Arches thereof, 408.
Bridges of Wood, *ib.* Particulars, and Draughts thereof, by Palladio; *ibid.* Rusten, 409. Draw, Flying, Of Boats, &c. *ibid.*
Brie, Province, 1094.
Champanoife, 1095.
Brigade, of an Army, 226.
Brinn, City, capital, 1109.
Brissnet, William, deceived by the Calvinists, 433.
Britain Armorick, Province, 1094. Description thereof, *ibid.*
Britons, their Character, 1095.
Brizomancy, in Astrology, 250.
Broad-albain, County, 1127.
Broker, in Commerce, 757. His Qualities, Duties, &c. *ibid.*
Bronchotomy, Operation in Chirurgery, 490.
Brown, English Anatomist, 105.
Brunella, Brunelle, in Botany, 372. Description thereof. Its Virtues, *ibid.*
Brunswick, Dutchy, 1112. Description thereof, *ibid.*
Bruxelles, City, capit. 1112.
Bucer, Martin, 433.
Buchan, Province, 1127.
Buchar, Province, 1154.
Buckingham, County, 1126.
Buda, City, 1141.
Buglose, in Botany, 372.
Bugle, in Botany, *ibid.*
Bulgal, Province, 1120.
Bulgaria, Province, 1140. Description thereof, 1141.
Bulls, in Church Government, 410. Form, and Parts thereof; *ibid.* How dispatched, *ib.* How fulminated, 415.
Bulls unigenitus, 411. History thereof, 412, 413, 414.
Bull in Cena Domini; what, 415.
Burco, a Geometer, 127.
Burgundy, Province, 1097.
Burnet, Dr. his Theory of the Deluge, 128.
Buscus, Box-Tree; in Botany, 372.
Busts, antique, 144.
Bute, County, 1127.
Butment, in Bridges, 409.
Butter, in Chymistry. Of Antimony, 648. Preparation thereof. Its Virtues, *ibid.* Of Arsenick, 649. Preparation thereof. Its Virtues, 650. Of Wax, 697. Preparation thereof. Its Virtues, *ibid.*
Butterflies, diurnal, or papilionas, 121.

C.

Caccion, City, capital, 1152.
Caciques, what? 1180.
Cain, City, 1094.
Caernarvon, Province, 1126.
Casrery, Country, 1167. Description thereof, *ibid.*
Casres, their Character, *ibid.*
Cagliari, City, Archbishop, 1136.
Cahors, City, Bishop, 1098.
Cairo, Government, 1160. Description thereof, *ibid.*
Calistness, Province, 1127.
Calabria, Province, 1133. Citerior, *ibid.* Ulterior, *ibid.*

Calde

INDEX to the FIRST VOLUME.

- Calamintha, Ivy, in Botany, 372. Description thereof, *ibid.* Its Virtues, *ibid.*
- Calamities, under *Antoninus*, 526.
- Calcination, in Chymistry, 634, 636.
- Calcaneum, in Anatomy, 54.
- CALENDAR, 416.
- Calends, in Calendar, 417.
- Calicut, Kingdom, 1184.
- California, Island, Description thereof, 1182.
- Caligula, Emperor, in Chronology, 523. His History, *ibid.*
- Callicoubick, Calliwick, 1160.
- Cambray, Archbishoprick, 1113.
- Cambridge, Province, 1126.
- Cambyfes, King of *Babylon*, 517.
- Camp of the great Mogul, 228.
- Campania di Roma, Province, 1132.
- Campanulla, in Botany, 373. Description thereof, its Virtues, *ibid.*
- Camphor, or Camphir, in Chymistry, 690. History thereof, its Virtues, *ibid.*
- Canada, Country, 1178. History thereof, Division and Description, *ibid.*
- Canadians, their Character, *ibid.*
- Canalis Nafalis, in Anatomy, 88.
- Camara, Principality, 1151.
- Canary, Isles, 1170. Description thereof, *ibid.*
- Canary-Birds, in Fowling, 1045.
- Canarians, their Character, *ibid.*
- Cancer, in Astronomy, 281.
- Cancer, in Chirurgery, 466. Cure thereof, *ibid.*
- Candabar, Province, 1148.
- Candia, Island, 1139. Description thereof, 1140.
- Candies, in Confectionary, 826. Oranges, Orange-Flowers, Flowers of Violets, *ibid.*
- Candiot, their Character, 1139.
- CANDLE MAKING, 456. Method thereof, 457.
- Candlemas, Feast of the Christians, 1001.
- Candora, Province, 1120.
- Canis, in Astronomy, 282. Major, Minor, *ibid.*
- Canibal, or Carribee, Isles, 1180.
- Canise, Government in Hungary, 1117.
- Canon, in Clergy, 714, 715.
- Canon, antient of the sacred Books, 316. History thereof, *ibid.*
- Canonical Books, *ibid.* Of the Old Testament, among Protestants, the Pentateuch, 316, 317. Joshua, *ibid.* Job, 317, 318. Sixteen Prophets, *ibid.* Among the Catholics, besides those, Judith, Tobit, Maccabees, Esdras, &c. *ibid.* Of the New Testament, St. Matthew, 318. St. Mark, St. Luke, St. John, *ibid.* Acts of the Apostles. The Epistles of St. Paul, St. Peter, St. John, St. James, *ibid.* Apocalypse, 318, 319.
- Cantyr, Province, 1127.
- Canute I. King of England, 558. His History, *ibid.*
- Canute II. King of England, *ibid.* His History, *ibid.*
- Canute I. King of Sweden, 587. His History, *ibid.*
- Capetians, in Chronology, 548.
- Capital of a Column, in Architecture, 164.
- Capitanate, Province, 1132.
- Capnomancy, in Astrology, 255.
- Caponierres, in Fortification, 102.
- Capricorn, in Astronomy, 281.
- Capsulæ Atrabilaria, in Anatomy, 62.
- Captain of Infantry, 225.
- Captain, Lieutenant, in Army, 224.
- Carabe, in Chymistry, 663.
- Carabineers, in Army, 232.
- Caracmit, City, capital, 1146.
- Caramania, Province, 1148.
- Carat, in Commerce, 763. Fine, Price, Weight, *ibid.*
- Caruncle, in Chirurgery, 463.
- Cardiacks, in Chymistry, 702.
- Cardigan, County, 1126.
- Cardinal in the Catholick Clergy, 710. Their Origin, 710, 711. Title, 711. Divided into three Classes, *ibid.*
- Cardinal Meury, his Character, 553. Of Lorraine, his Merit, &c. 445. His Refutation of Beza, 450, 457. Mazarin, his Character, 555. Richelieu, his Character, 553.
- Carduus Stellatus, in Botany, 373.
- Capes, in Geography, 1785.
- Caries, in Chirurgery, 482. Different Sorts thereof, *ibid.*
- Carinus, in Chronology, 529.
- Carmentalia, Feast of the Romans, 994.
- Caroline, Swedish Coin, 572.
- Curry to, in Falconry, 991.
- Cart-blanchie, at Picquet, 1066.
- Cartagena, Government in America, 1173.
- Cartilage, Xyphoides, 50.
- Cartilages in Anatomy, 45. History thereof, *ibid.*
- Cartilagineous Fishes, in Animals, 117.
- Carunculae Myrty-formes, in Anatomy, 68.
- Their Substance, Form, *ibid.* Situation, &c. 69.
- Caryatick Order, in Architecture, 177.
- Casal, City, Bishop, 1134.
- Caste-Die, Territory, 1116.
- Cafe-Mate, in Fortification, 1032.
- Casimir IV. King of Poland, 565.
- Casson, William, a celebrated Letter-Founder, 1037.
- Cassel, City, Capital, 1108.
- Cassini, a French Astronomer, 274.
- Cassiopeia, in Astronomy, 281.
- Cassius Severus, Orator, 329.
- Cassov, Government in Hungary, 1117.
- Castelnau, Historian, 444.
- Castelnau, City, 1101.
- Castile, Province, new and old, 1130.
- Cassilla Dora, in America, 1173.
- Casting in Falconry, 991.
- Castro, Dutchy, 1132. Description thereof, *ib.*
- Catacombs, in Antiquities, 141. Different Sentiments thereupon, *ibid.*
- Catalonia, Province, 1130. Description thereof, *ibid.*
- Cataract, in Chirurgery, 489. Theory thereof, *ibid.*
- Cathartick Salt of Glauber, in Chymistry, 658. Preparation thereof, Its Virtues, Remarks thereupon, *ibid.*
- Catechumen, in Baptism, 305.
- Catherine of Medicis, infatuated of Astrology, 246. History thereof, *ibid.*
- Catholick Church, History thereof, 601.
- Catis, Money of Account, at Java, 761.
- Cavalier, in Fortification, 1014.
- Cavendish, Sir Thomas, Astronomer, 263.
- Caveto, in Architecture, 165.
- Causas belonging to the Ecclesiastical Courts in England, 725.
- Caustick Arsenick, 150. Preparation thereof, Its Virtues, *ibid.*
- Caustick Stone, in Chymistry, 151. Preparation thereof, Its Virtues, *ibid.*
- Caccu, Territory, 1094.
- Cawking, in Falconry, 991.
- Caxa, Chinese Coin, 753.
- Cazan, Kingdom, 1120.
- Cecilianus, famous Donatist, 878.
- Ceiram, Island, 1157.
- Celebes, Island, 1156.
- Cellulæ Adiposæ, in Anatomy, 56.
- Centaurium minus, in Botany, 573.
- Centaurus, in Astronomy, 282.
- Center of a Circle, in Geometry, 1190. in Dialling, 868.
- Centurion in the Roman Armies, 239.
- Cepheus in Astronomy, 281.
- Cerealia, Feast of the Romans, 993.
- Cerebellum in Anatomy, 82.
- Cetaceous Fishes, 116.
- Cevennes, Country, 1100, 1101.
- Ceuta, City, 1161.
- Ceylan, Island and Kingdom, 1158.
- Chaalons, City, Bishop, 1094.
- Chaco, Province, 1175.
- Chalcus, Coin among the Greeks, 731.
- Champagne, Province, 1094.
- Chamegri, City, Capital, 1150.
- CHAOLGY, 458.
- Chaos, 459.
- Characters of Powers, in Algebra, 29.
- Characters of the Planets, in Astronomy, 288.
- Charibert, King of France, 545.
- Charity, in Ethics, 944.
- Charlemagne, King of France and Emperor, 538. His History, *ibid.*
- Charles the bold, Emperor, and King of France, 547. His History, *ibid.*
- Charles Martel, Mair du Palais in France, 546.
- Charles V. Emperor of Germany, 541. His History, *ibid.*
- Charles VI. King of France, 551. His History, *ibid.*
- Charles VII. call'd the victorious, King of France, *ibid.*
- Charles VIII. King of France, *ibid.*
- Charles IX. King of France, 552. His History, *ibid.*
- Charles I. King of Great Britain, 559. His unhappy Catastrophe, *ibid.*
- Charles II. King of Great Britain, 552. His History, *ibid.*
- Charles I. K. of Castile, 568. His History, *ibid.*
- Charles I. of France, King of Naples, 510.
- Charles XII. King of Sweden, 588. His History, *ibid.*
- Charobert, King of Hungary, 566. His History, *ibid.*
- Charter-party, in Commerce, 817. 818. Of Affrighthment, 820.
- Chartres, City, Bishop, 1096.
- Charts, or Maps, in Geography, 1087. Construction thereof, 1088.
- Chateau Thierry, Territory, 1094.
- Chatellerau, Town, 1097.
- Chaus, Province, 1161.
- Check, to, in Falconry, 991.
- Chekiang, Province, 1153.
- Cheque-Mate, at Chess, 1050.
- Cherkeffi, Calliwick, 1160.
- Cherubim, in Angels, 36.
- Cheselden, a celebrated English Surgeon, 493.
- Chester, County, 1126.
- Chiametlan, Province, 1177.
- Chiapa, Province, *ibid.*
- Chief d'Escadre in France, 241.
- Childblains, in Chirurgery, 464. Cure thereof, *ibid.*
- Chili, Province, 1173. Description thereof, 1174.
- Chilians, their Character, *ibid.*
- Chimney, in Building, their Dimensions, 398.
- Chimney-Pieces, in Building, 404.
- Chilperic I, King of France, 545.
- China, Empire, 1152. Description thereof, 1153.
- Chinese, their Character, *ibid.*
- Chiromancy, in Astrology, 257.
- CHIRURGERY, speculative, practical, *ibid.*
- Choir of Churches, in Building, 406.
- Chord, in Geometry, 1120.
- Chorepiscopi, in Clergy, 705.
- Christian Church, 597. Division thereof, 598. By the Catholics into militant, triumphant, patient, *ibid.* By the Protestants, into militant, triumphant, *ibid.* Its Visibility, 598, 599. Unity, 599, 600. Universality, 601. Necessity to Salvation, 601, 602, 603. Infallibility, 604, 605. Duration, 606, 607, 608, 609. Chief thereof, 610, 611, 612. Hierarchy. English Church, 603. Gallican Church, 613, 614, 615. Patriarchal, 616. Cophtick, *ibid.* Jacobite, *ibid.*
- Christine, Q. of Sweden, 588. Her History, *ibid.*
- CHRONOLOGY, 500. Of the antient Patriarchs, 501. Judges of the Hebrews, 503. Kings of Assyria, 505, Of Babylon, 516, Of Persia, 517, Of Macedon, 518, Of Egypt, *ibid.* Of Syria, 519, Of the Roman Affairs from the Foundation of Rome to Julius Cæsar, 520, Of the Roman Emperors, 521, Of the Emperors of the East, 532, Of the French Emperors of Constantinople, 537, Of the Greek Emperors of Constantinople, a Sequel, *ibid.* Of the Western Emperors of the House of France, 539, Of the Emperors of Germany, *ibid.* Of the Kings of the Visigoths, 542. Of the Kings of France, Of the first Race, 544, Of the second Race, 547, Of the third Race, 548. Of the Kings of Scotland, 553, Of the Lombards, 555, Of Leon, 556, Of England, 557, Of Navarre, 560, Of Denmark, 561, Of the great Dukes of Muscovy, 562, Of the Kings of Norway, 563, Of Poland, 564, Of Hungary, 565, Of Castile, 567, Of Arragon, 568, Of Bohemia, 569, Of Naples, 570, Of Portugal, 572, Of Sweden, 587, Of the Popes, 573, Anti-Popes, 586, Of the Emperors of the Turks, 588, Of the most memorable Battles, &c. 591.
- Church. Cathedral, 713. Collegiate, 715.
- Church of Jerusalem, ruined, 540.
- Church-warden, in the Anglican Church, 724.
- Churches, in Building, 406. Their antient and modern Form, *ibid.* In a Latin Cross, in Rotundo, *ibid.* Antient Greek Church, *ibid.*
- CHYMISTRY, 616. Its Definition, Object, *ibid.* Principles, 617. Active, *ibid.* Universal, *ibid.* Passive, 618, 619.
- Cichorium, Succory, in Botany, 373. Description thereof, 374. Its Virtues, *ibid.*
- Cicuta, Hemlock, in Botany, 374. Description thereof, Its Virtues, *ibid.*
- Cieling, in Building, 403.
- Cinaloa, Province, 1177.
- Cinnabar, in Chymistry, 678. Of Antimony, *ibid.* Its Virtues, *ibid.*
- Cinnamon, in Chymistry, 672.
- Circles, in Astronomy, greater and lesser, of the Sphere, 256. In Geography, 1075-great, small, *ibid.* Polar, 1077. In Geometry, 1190. Equal, 1193.
- Circulation of the Blood, in Anatomy, 73. Theory thereof, 73, 74, 75. Of Rohault, 76. Discovered by Harvey, according to the common Opinion, 77. By Fra. Paolo, according to Bern Genga, an Italian, *ibid.* Known to Hippocrates, according to Janfon of Almolveen, *ibid.* In Chymistry, 622.
- Circumcellions, Hereticks, 877. Their History, *ibid.*
- Circus, in Antiquities, 137. Games thereof, *ibid.*
- Citadel, in Fortification, 1021.
- Cities, Imperial, 1107. Forestiere, *ibid.* Civil

INDEX to the FIRST VOLUME.

- Civil Wars, first in France begun by the Calvinists, 453. In Scotland by the same, 446. In the Netherlands, by the same, 455. In Switzerland, by the Zuinglians, 433.
- Clap, in Chirurgery, its Symptoms, Cure, &c. 474.
- Clare, Province, 1129.
- Claudius, Emperor, in Chronology, his History, 529.
- Claudius Tacitus, in Chronology, his History, 529.
- Clavicles, in Anatomy, 51.
- Clay, in Agriculture, 5.
- Clerc le, Anatomist, 105.
- Clemens Alexandrinus, his Works, 318.
- Clement IV. Pope, his History, 583.
- Clement V. Pope, his History, 584.
- Clement VI. Pope, his History, *ibid.*
- Clement VII. Pope, 585, his History, 585.
- Clement X. Pope, his History, *ibid.*
- Clement XI. his History, *ibid.*
- Cleopatra, in Chronology, her History, 578.
- CLERGY, 703, History thereof, 704, 705, 706, secular and regular, 710.
- Cleves, and Juliers, Principality, Description thereof, 1114.
- Cleves, City, Capital, *ibid.*
- Clidesdal, Province, 1127.
- Clitoris, in Anatomy, 68, its Substance, Form, Situation, &c. *ibid.*
- Clock, in Clock-making, 727.
- CLOCK-MAKING, 727. Rules thereof, 728, 729.
- Clodion, King of France, his History, 547.
- Clotaire I. King of France, 545.
- Clotaire II. King of France, *ibid.*
- Clotaire III. King of France, *ibid.*
- Clove, in Chymistry, History thereof, 673.
- Clovis, first Christian King of France, 544.
- Coagulate, to, in Chymistry, 622.
- Coasts, in Geography, 1185. Of Zanguebar, 1167, 1168. Of Abex, 1168. Of Ajan, 1169.
- Coats of the Veins, in Anatomy, their Number, 104.
- Coccyx, in Anatomy, 50.
- Cochinchina, Kingdom, Description thereof, 1152.
- Cochinchinese, their Character, *ibid.*
- Cochineal, in Animals, 124.
- Cockein, Japanese Money of Account, 760.
- Codille, at Ombre, 1061.
- Cæcum, Intestine, in Anatomy, 59.
- Coeliaca Artery, in Anatomy, 53.
- Celibacy of the Clergy, 707.
- Coffee, in Botany, History thereof, its Virtues, 374. How prepar'd, 375.
- Coffer, in Fortification, 1020.
- Cogni, City, in Geography, 1144.
- Cogue, Kingdom, 1184.
- Cohobate, to, in Chymistry, 622.
- Cork, Province, 1129.
- COINING, 737, Art thereof, 738, 739.
- Coins, among the antient Britons, 739. Of Silver and Gold among the Jews, their Value, *ibid.* Current among the Greeks, 739, their Value, 740. Among the Romans, their Value, *ibid.* Among the English, antient and modern, 740, 741, 742. French, 750, 751. Spanish, 751. Portuguese, *ibid.* Italian, 751, 752. Dutch, 752. Of Switzerland, *ibid.* Swedish, *ibid.* Of Muscovy, *ibid.* Turkey, *ibid.* African, 753. Persian, *ibid.* Chinese, *ibid.* Japanese, Of the Mogulistan, Matauha, Ogden, Cheda, Albem, Macassar, Java, Cambaya, Bantam, Indostan, *ibid.* Angola, and Congo, 757.
- Coire, Bishoprick, in Geography, Description thereof, 1116.
- Colas, Dr. 117.
- Colerain, Province, 1129.
- Coligny Gaspar de, Admiral of France, 442.
- Collection of the canonical Books, by Esliras, 512.
- Collerino, in Architecture, 169.
- Colloquy of Puffi, 448, History thereof, 449, 450, 451.
- Colon, Intestine, in Anatomy, 59.
- Colonelli, of wooden Bridges, in Building, 408.
- Colophony, in Chymistry, 630.
- Columns, in Antiquities, 138. Of Trajan, Antoninus, historical, chronological, funeral, instructive, history, legal, boundary, Menian, millitary, military, rostral, *ibid.* In an Army, 230. in Architecture, 163. Tuscan, Dorick, Ionick, Corinthian, Composite, &c. 164.
- Colures, in Geography, 1077.
- Coma Berenices, in Astronomy, 282.
- Comets in Astronomy, 267. System thereof, Of Aristotle, Annagoras, 269. Dea Cartes, *ibid.* Sir Isaac Newton, *ibid.* De Coclogon, 271.
- Diurnal Motion of Comets, 270. Their Tail and Beard, what, *ibid.* Return, Place or Course, how determin'd, 272.
- Cominge, Territory, 1100.
- COMMERCE, foreign, and domestick, 754.
- Commodus, Emperor, in Chronology, 527.
- Common duct, in Anatomy, 61.
- Common Operation, in Decimals, 215.
- Common Sutures, in Anatomy, 46.
- Communion Eucharistick, 975, 976.
- Comorra, Isles of, Description thereof, 1169.
- Company, in Commerce, 809, English, East-India, 809, 810. Royal African, 810, History thereof, 811. Hamburg's, *ibid.* Russia, *ibid.* History thereof, 812. North Sea, *ibid.* Turkey, *ibid.* History thereof, 813. South Sea, *ibid.* History thereof, 814. Harborough, *ibid.* Scotch Darien, *ibid.* French East India, West India, Mississippi, 814. History thereof, 815. Of the Bastion of France, *ibid.* Guinea, *ibid.* Dutch East India, 815, History thereof, 816. West-India, *ibid.* North, *ibid.* Danish, North, 817. Iceland, *ibid.* East India, *ibid.*
- Company, in Army, 225.
- Comparison, in Geometry, antecedent, consequent, 1194.
- Compartment, in Gardening, 19.
- Composite Order, in Architecture, 174. Dimensions thereof, according to Palladio, *ibid.* according to the Moderns, 175, according to Perrault, *ibid.*
- Compository, in Letter-founding, 1037.
- Compost, or hot Bed, in Agriculture, 6.
- Compound, Cube Number, in Arithmetick, 218.
- Compound Flowers, 366.
- Compreses, in Chirurgery, how made, 461.
- Conceliering, in Falconry, 991.
- Conception, City, Capital, 1174.
- Conclave, for the Election of a Pope, 583.
- Concordat, 410.
- Concretion, in Chymistry, 623.
- Concupiscence in Ethicks, antecedent, 931, subsequent, 932.
- Condé, Louis of, Prince of the Blood of France, and Chief of the Hugonots, 442.
- Condom, City, Bishop, 1100.
- Condora, Province, 1120.
- Condyli, in Anatomy, 54.
- Congee, to, in Chymistry, 623.
- Congeneres Muscles, in Anatomy, 92.
- Congo, Kingdom, 1165. Description thereof, 1166.
- Congruency, in Geometry, 1187.
- CONFECTIONER, 823.
- Confects, in Confectionary, *ibid.* liquid, *ibid.* dry, 825. Oranges, 826. Lemons, *ibid.* Rocks of Oranges, *ibid.* Chips of Oranges, *ibid.* Apricocks, Cherries, Plumbs, *ibid.*
- Conference, celebrated one of Carthage against the Donatists, 877.
- Confidence, in Ethicks, 949.
- Conflagration, extraordinary of Mount Vesuvius, 526.
- Conjugal State, in Ethicks, 950, 951.
- Conjunction in Astrology, 244. Of the Bones in Anatomy, 43.
- Conjunctiva, in Anatomy, 86.
- Conquests of the Christians in the Holy Land, lost, 540.
- Conscience, in Ethicks, probable, 938, dubious, *ibid.* erroneous, 939.
- Conserve, in Confectionary, 826. Of Orange-Flowers, Pistachio's, *ibid.* Cherries, Of all Sorts of Fruits, Roses, Violets, *ibid.*
- Constancy, in Ethicks, 949.
- Constantine the Great, first Christian Emperor, his History, 530.
- Constantine Coproninus, Emperor of the East, his History, 535.
- Constantine Pogonatus, Emperor, his History, *ibid.*
- Constantine VII. Emperor, his History, 536.
- Constantine Porphyrogenita, Emperor, *ibid.*
- Constantine Monomachus, Emperor, *ibid.*
- Constantine XII. called Ducas, Emperor, his History, 537.
- Constantine XIII. last Christian Emperor of the East, his History, *ibid.*
- Constantine I. Pope, his History, 579.
- Constantinople, City, Capit. and Patriarch. when founded, 530, taken by Mahomet II. 538.
- Constantius, Emperor, his History, 530.
- Constellations, in Astronomy, 267. Division of the Heavens into them. By the Antients, *ibid.* By the Moderns, 268. New Discoveries in them. By Tycho Brahe, *ibid.* Fabricius, Leovicius, Bouillaud, Simon Marius, Kepler, Hewetes, Montaner, *ibid.* Number of Stars contained in each of them, according to all Catalogues, 281, 282.
- Confualia, Feast of the Romans, 994.
- Consuls, among the Romans, their History, 520. Amongst the French, 913.
- Continents, in Geography, their Division, 1078.
- Convoy, in Army, 237.
- COOKERY, 827. Art thereof, 828, 829, 830.
- Cop, Nicolas, 437.
- Copec, Russian Coin, 752.
- Copenhagen, City, Capital, 1122.
- Copernican Sphere, 257.
- Copernicus, Astronomer, 262.
- Cophti, or Cophites, their Clergy, 226.
- Coppel, in Chymistry, 625.
- Copper, in Building, Qualities thereof, 392.
- Copulation, in Anatomy, How effected, 69.
- Coral, in Botany, 375, red, white, black, *ibid.* Count Marfigli's Sentiment thereupon, *ibid.* That of the Antients, *ibid.* Its Virtues, 376. Manner of fishing it, *ibid.*
- CORDWAINERS, Art thereof, 833.
- Cordwainer Brothers, their History, *ibid.*
- Corea, Province, *ibid.*
- Corinth, City, 1153.
- Corinthian Order, in Architecture, 173.
- Cork, Province, 1128.
- Corn, in Agriculture; Preservation thereof, 121.
- Cornea, in Anatomy, 85.
- Cornet, in Army, 224.
- Cornice, in Architecture, 166.
- Cornwall, County, 1126.
- Corollary, in Geometry, 1186.
- Coromandel, Coast, 1151.
- Corona, in Architecture, 165.
- Corona, in Anatomy, 44.
- Corona Borealis, in Astronomy, 281.
- Corona Meridionalis, in Astronomy, 282.
- Coronal Suture, in Anatomy, 46.
- Coronale, in Anatomy, *ibid.*
- Corpora Cavernosa of the Penis, their Figure, Situation, Uses, &c. 65.
- Corpora Striata, in Anatomy, 82.
- Corps de reserve, in Army, 232.
- Corpus Callosum, in Anatomy, 81.
- Corrosive sublimate, in Chymistry, Preparation thereof, Its Virtues, 641.
- Corrugator, a Muscle, in Anatomy, 85.
- Corfica, Island, and Kingdom, 1136.
- Corficans, their Character, *ibid.*
- Cortasius Michel, his Doctrine of the Eucharist, 970.
- Cortex, in Anatomy, 81.
- Cosmeticks, in Chymistry, 702.
- Cossir, Calliwick, 1160.
- Costa Rica, Province, 1178.
- Costæ, or Ribs, in Anatomy, 51. Their Situation, Substance, Figure, &c. *ibid.* their Number, and Use, *ibid.*
- Couch, at Basset, 1067.
- Covert-way, in Fortification, 1015.
- Covin, Cornice, in Architecture, 160.
- Colouring Drugs, in Dying, 880, 881.
- COUNCILS of the Church, 834. Œcumenical, of Nice. 182, 835. History thereof, 183, 184. Constantinople I. *ibid.* Ephesus, *ibid.* Chalcedon, 835, 836. History thereof, 837, 838. Constantinople II. 839. History thereof, 840, 841. Constantinople III. 842, History thereof, 843. Nice II. History thereof, 844, 845. Constantinople IV. 856. History thereof, 847, 848. Convoled by the Pope. Of Lateran I. 848. Lateran II. Lateran III. Lateran IV. Lyons I. Lyons II. Vienna, Constance, Florence, Lateran V. Trent, *ibid.* History thereof, 849, 850. National and Provincial. Of Antioch, 854. Another of Antioch, Tyre, Milan, *ibid.* Rimini, 855, Carthage, Milævium, *ibid.* Another of Carthage, 855. Cirthe, Milævium, Rome I. History thereof, 856. Constantinople, Rhiez, Orange I. Rome II. In Spain, against the Priscianists, Constantinople, *ibid.* History thereof, 857, 858. Rome III. 858. Constantinople, Arles, Rome IV. Orleans, *ibid.* Toledo, 859. History thereof, *ibid.* Leptines, 860. Paris, Valence, *ibid.* History thereof, 861.
- Counterfeit Architecture, 176.
- Counter-guard, in Fortification, 1020.
- Counterfearp, in Fortification, 1015.
- Country-Dances, Art thereof, 865.
- Country-House, in Building, Situation, Prospect, Commodiousness, Wholsomeness, Beauty thereof, *ibid.* Disposition of the Apartments, 405.
- Courtine, in Fortification, 1014.
- Cowper, Dr. an English Physician, 62.
- Cowering, in Falconry, 991.
- Crabbing, in Falconry, 988.
- Cranium, in Anatomy, 46.
- Cremasco, Province, 1134.
- Cremallores Muscles, in Anatomy, 64. Their Figure,

I N D E X to the F I R S T V O L U M E.

- Figure, Infertion, Ufes, &c. *ibid.*
 Crepusculum, in Anatomy, 290.
 Crew, Dr. 351.
 Cricoides, in Anatomy, 79.
 Crim, City, Capital, 1172.
 Crista Galli, in Anatomy, 48.
 Croisade, first preach'd, 549.
 Cromwell's Usurpation, 559.
 Croupier, at Basset, 1067.
 Crown-work in Fortification, 1017.
 Crucible, in Chymistry, 625.
 Cruralis, Artery, in Anatomy, 104. Anterior, Posterior, *ibid.* Vein, *ibid.* Division thereof, 104, 105.
 Crureus, Muscle, in Anatomy. Anterior, Posterior. Their Infertion, Composition, 101.
 Crustaceous Fishes, in Animals, 117.
 Cruzade, Portuguese Coin, 751.
 Crystal, in Chymistry. Of Silver. Preparation thereof. Its Virtues, 630. Of Venus. Preparation thereof. Its Virtues, 636. Mineral. Preparation thereof. Its Virtues, 655. Remarks thereupon, 656. Of Tartar. Preparation thereof. Its Virtues, 683.
 Crystalline, in Anatomy, 86.
 Cuba, Island, 1180.
 Cubitus, in Anatomy, 52.
 Culmination of a Star, in Astronomy, 290.
 Cumberland, Province, 1126.
 Cunningham, Province, 1127.
 Curland, Dutchy, Description thereof, 1119.
 Currants, or Currans, 22.
 CURRYING, 861.
 Cusco, City, 1173.
 Cuscuta minor, Bindweed, in Botany, 376.
 Customs, in Commerce, 987. History thereof, 988.
 CUTLERY, English, French, for Sword-Blades, 863.
 Cutting-Prefs, in Book-binding, Description thereof, 334.
 Cycle, in Calendar, 421. Solar and Lunar, Metonick, *ibid.* Of Indictions, Origin thereof, 422.
 Cyclois, in Geometry, 4197.
 Cyneglossum, Dog's Tongue, in Botany, Description thereof, its Virtues, 376.
 Cyon, in Agriculture, 16.
 Cyprianus, famous Lithotomist, 493.
 Cyprus, Island, and Kingdom, 1145.
 Cyril Lucar, Calvinist, 969.
 Cyrus, King of Persia, 517.
- D.
- D**agobert, King of France, his History, 545.
 D'Albon, Marechal of St. Andre, 447.
 Dalecarlia, Province, Description thereof, 1122.
 Dalmatia, Province, 1134. Description thereof, 1141.
 Daly, Province, Description thereof, 1122.
 Damascus, City, capit. 1146.
 DAMASKENING, 864.
 Dance, 864. Perfection thereof, 865.
 DANCING, high and low, *ibid.*
 Dandlot, a French Huguenot of Distinction, 441.
 Danes, their Character, 1123.
 Dangall, Kingdom, 1169.
 Darby, County, 1126.
 Darba, Province, 1162.
 Darius, King of Persia, 518.
 Dartos, a Muscle, in Anatomy, its History, its Use, 64.
 David, King of Israel, 506.
 David I. King of Scotland, his History, 554.
 Daviler, a celebrated Gardener, 20.
 Dauphiné, Province, 1101.
 Dax, City, Bishop. 1101.
 Day, in Calendar, 416. Natural, artificial, *ib.*
 Days, their respective Denomination, 441.
 Days, of Grace, in the Commerce of Bills, 779.
 Deacon, in the Clergy, 708.
 Deaconries, in the Clergy, 708, 709.
 Deaconesses, in the Clergy, *ibid.*
 Dean of a Chapter, in the Clergy, 714.
 Decemvirs, in Chronology, 520.
 Decimal Fractions, 215.
 Decoration, in Architecture, 397.
 Decoys, for Fowling, 1038.
 Decrepitated Salt, in Chymistry, 644.
 Dedication, a Feast, 1001.
 Defile, in Army, 230.
 Defect, in Ethics, 949.
 Definition, in Geometry, 1186.
 Definiter, among Friars, 820. General, *ibid.* Provincial, 821.
 De For, Daniel, 301.
 Degenerating Plants, in Botany, 369.
 De la Beaune, Peter, Bishop of Geneva, 436.
 De la Chambre, M. a Frenchman, 82.
 De la Prime, M. 130.
 De L'Hospital, Chancellor of France, 449. His
 Speech at the Colloquy of Peissy, 450.
 Dely, City, capit. 1151.
 De L'Orme, Architect, 393.
 Delphinus, in Astronomy, 282.
 Deluge, 127. Theory thereof, by Burnet, 128. Whiston, 128, 129. Refutation thereof by de Coetlogon, *ibid.* By Woodward, *ibid.* Refutation thereof by de Coetlogon, *ibid.* By de la Prime, 130. By de Coetlogon, *ibid.*
 Deluge, of Deucalion, *ibid.* Ogyges, *ibid.* In the Netherlands, *ibid.*
 Democritus, Philosopher, 105.
 Denarius, a Roman Coin, 740.
 Denby, County, 1126.
 Deniers Gros, in Commerce, 782.
 Denmark, Kingdom, 1122.
 Dennis, of Halicarnasse, Historian, 330.
 Dennis I. King of Portugal, 572.
 His History, *ibid.*
 Dennis, Mr. 83.
 Denominator of a Fraction in Algebra, 32.
 Dent de Lion, in Botany, 376.
 Depart, to, in Chymistry, 623.
 Derham, Mr. an Englishman, 117.
 Des Cartes, a celebrated French Philosopher, 264.
 Design, in Fortification, 1013.
 Deterfives, in Chymistry, 702.
 Detonation, in Chymistry, 723.
 Devon, County, 426.
 Diæresis, in Chirurgery, 460.
 Dial, in Dialling, 866. Sun, 867. By Reflexion, 873. Moon, *ibid.* Portable, *ibid.* Ring, 873, 874. Universal, 874. Quadrantal, *ibid.* On the Fingers, *ibid.*
 DIALLING, 866. Art thereof, 866, 867, 868. Antiquity thereof, 874.
 Diameter, or Radius, of a Circle, 1190.
 Diana's Tree, in Chymistry, Preparation thereof, 632.
 Diaphoretick, in Chymistry. Of Mars, 639. Preparation thereof. Its Virtues, *ibid.* Antimony, 647. Preparation thereof. Its Virtues, *ibid.*
 Diarbekir, Province, Description thereof, 1146, 1147.
 Diarthrosis, in Anatomy, 44.
 Diatole, in Anatomy, 74.
 Dictator, in Chronology, 521.
 Didier, last King of the Lombards, 555.
 Didius, Julianus, Emperor, 527.
 Die, City, Bishop, 1102.
 Dietes, in Geography, 1089.
 Dieuslant, Architect. 390.
 Diffetuoft, Academy of, 4.
 Digesting Fire, in Chymistry, 624.
 Digestion, in Chymistry, 623.
 Digit, in Geometry, 1197.
 Digitalis, Bell-Flower, in Botany, 376. Description thereof. Its Virtues, *ibid.*
 Digitated Quadrupedes, in Animals, 116.
 Dijon, City, capit. 1097.
 Diminution of a Column, in Architecture, 160.
 Dinar-hifti, Persian Money of Account, 760.
 Dioclesian, Emperor, 530.
 Dion Cassius, Historian, 330.
 Dioscorus, Eutychian, 982.
 Dioscorus, Antipope, 586.
 Direct Vertebra, in Anatomy, 50.
 Diseases of the Ears, 88. Of the Nose, 89.
 Dissolve, to, in Chymistry, 623.
 Distil, to, in Chymistry, per descensum, 623. per ascensum, *ibid.*
 Distillation, in Chymistry. Of Salt of Saturn, 635. Method thereof, *ibid.* Spirit of Vitriol of Mars, 638. Method thereof. Its Virtues, *ibid.* Vitriol, 662. Carabé, 667. Guaiac, 670. Melissa, 675. Carduus Benedictus, 676. Wine into Brandy, 680. Tartar, 683. Viper, 694. Hartshorn, 695. Human Cranium, 696. Honey, 696. Wax, *ibid.*
 Distribution of Plants, by Mr. Ray, 368.
 Ditmarsen, Province, 1123.
 Ditch, in Fortification, 1015.
 Divalin, Feast of the Romans, 994.
 DIVING, 875. For Wrecks, 876. Spunges, *ibid.*
 Diving-Bell, the Mechanism thereof, 875.
 Division, in Algebra, 31. In Arithmetick, 200. Of Fractions, 214. Of Decimals, 215.
 Diurnal, Latin Church's Book, 328.
 Diurnal Birds, 118.
 Dobel, M. Danish Physician, 72.
 Doem, Province, 1128.
 Dogado, Province, 1133.
 Dog-Teeth, in Anatomy, 49.
 Dollar, Dutch Coin, 752.
 Donbas, Principality, 1098.
 Domitian, Emperor, 526.
 Domitius Afer, Orator, 329.
 Donald II. King of Scotland, 554.
 Donald III. King of Scotland, *ibid.*
- Donatists, Hereticks, 875.
 Dongale I. King of Scotland, 554.
 Dordrecht, City, 1120.
 Dorick Order, in Architecture, 170.
 Dorset, County, 1126.
 Doublets, at Trick-Track, 1068.
 Doucine, in Architecture, 164.
 Drachma, Grecian Coin, 739.
 Draco, in Astronomy, 281.
 Dragoons, in Army, 224.
 Drake, Anatomist, 105.
 Drebell, his Machine for Diving, 876.
 Drelincourt, French Anatomist, 105.
 Dresden, City, 1110.
 Dreux, Town, 1096.
 Drontheimbus, Government, 1123.
 Dropsy, in Chirurgery, 465. Ascites, Leuco-phlegmatick, Tympanites, *ibid.*
 Droxellus, Geometer, 127.
 Dubie, Painter in Enamel, 917.
 Dublin, City, 1128.
 Du Bourg, Anne, 441.
 Duc, M. a Frenchman, 83.
 Ducat, Spanish, German, &c. Coin, 751.
 Ducatoon, Italian Coin, *ibid.*
 Ductus, in Anatomy. Thoracicus, Communis, 60. Cholidocus, 61.
 Duodenum, in Anatomy, 58.
 Ducham, County, 1126.
 Dutch, their Character, 1113.
 Du Verney, a French Physician, *ibid.*
 Dwarf Trees, in Agriculture, 20.
 Dwina, Province, 1120.
 Dye, in Architecture, 167.
 DYING, 880. Art thereof, 881, 882, 883. Black, scarlet, blue, brown, pearl, yellow, olive, *ibid.* Fuelmort, 884. Nacaret, *ib.* Wools for Tapestry, *ibid.* Silks, 884. Red, blue, citron, black, *ibid.* Threads, Hats, *ibid.* Leather, 885. Bones, Horns, Ivory, *ibid.*
 Dyoniaia, Feast of the Greeks, 994.
- E.
- E**AGLE, Bird of Prey, 118.
 Ear, in Anatomy, its Composition, Situation, Ufes, *ibid.*
 Earth, or Soil, in Agriculture, 5.
 Earth, extracted from Mixts, in Chymistry, 522.
 Earth, in Geography, 1074. Sphericity thereof. Its Axis, Center, Diameter. Points, Cardinal, *ibid.* Collateral, 1075. Vertical, *ibid.* Regions, Poles, *ibid.* Division into Hemispheres, 1076. Continents, 1078. Zones, 1079. Climates, 1081. Its Solidity, 1084. Magnitude, *ibid.*
 Earthquake, at Lisbon, in Portugal, 572. In Syria, 535.
 East-Meath, County, 1129.
 Echilosis, in Chirurgery, five Sorts thereof, 478. Its Cure, *ibid.*
 Echium, wild Burrage, in Botany, Description thereof, 376. Its Virtues, *ibid.*
 Echymosis, in Chirurgery, 362.
 Ecclesiastical Hierarchy, first Epocha thereof, 704.
 Ecclesiastical State, Description thereof, 1132.
 Eclipse, in Astronomy, 278. Solar, total and partial, *ibid.* How calculated, 279. Its Immersion, *ibid.* Of the Moon, its Quantity, *ibid.* How calculated, 281.
 Ecliptick, in Astronomy, its Obliquity, 272. Theory thereof, *ibid.* Its Declination, *ibid.* In Geography, Division and Use thereof, 1076.
 Edgar, King of England, his History, 558.
 Edmond I. King of England, his History, 557.
 Edmond II. his History, *ibid.*
 Edred, King of England, 557.
 EDUCATION, 585. Of a Prince, 886, 887, 888. Of a Nobleman, 893, 894, 895. Of Ladies, 898.
 Edulcorate, to, in Chymistry, 623.
 Edward I. King of England, his History, 557.
 Edward II. called St. King of England, his History, 558.
 Edward III. called the Confessor, his History, *ibid.*
 Edward IV. King of England, his History, *ibid.*
 Edward V. King of England, his History, *ibid.*
 Edward VI. King of England, his History, 559.
 Edward VII. King of England, his History, *ibid.*
 Edward VIII. King of England, his History, *ibid.*
 Effervescence, in Chymistry, 623.
 Eghert, King of England, 557.
 Egypt, Kingdom, 1159. Division and Description thereof, 1160.
 Egyptian, their Character, 1160.
 Ejaculation, in Anatomy, 69. How effected, *ibid.*
 Ejaculatory Vessels, in Anatomy, 65. Their Figure,

INDEX to the FIRST VOLUME.

- Figure, Progress, Uses, &c. *ibid.*
 Elbow, in Anatomy, 52.
 Electoral College, its Institution, 539.
 Electorates, Ecclesiastick of Mentz, Triers, Cologne, 1114.
 Laic of Bavaria, 1107. Of Saxony, 1109. Of Brandenburg, 1110. Palatine, 1114. Of Hanover, *ibid.*
 ELEMENTS, 899. Of the Peripateticians, 900. Of the Epicureans, 901. Of Des Cartes, 903. Of Sir Isaac Newton, 905. Of Gal-fendi, 906.
 Eleulinia, Feast of the Greeks, 993.
 Elias, Prophet, in Chronology, his History, 507.
 Eliza, Prophet, in Chronology, his History, 508.
 Elitroides, otherwise, Vaginalis, in Anatomy, 64.
 Elixir Proprietatis, in Chymistry, 688. Prepara-tion thereof, its Virtues, *ibid.*
 Elizabeth, Queen of England, her History, *ibid.*
 Elizabeth Petrowna, Czarina of Muscovy, 563.
 Ellypsis, in Geometry, 1193.
 Emanuel, the great King of Portugal, 572.
 Emanuel, Comnene, Emperor of the East, 537.
 Emanuel II. Emperor of the East, 538.
 EMBASSADORS, in Ordinary, Extraordinary, 908. Their Qualifications, Character, Pri-privileges, Immunities, Duties, 909, 910, 911, 912.
 Embassadresses, 912.
 Embassies, under the ancient Kings of France, at Athens, and Sparta, *ibid.*
 Embrasure, in Fortification, 1021.
 EMBROIDERY, 913.
 Embrun, City, Archbishop, 1103.
 Emetick, Wine, in Chymistry, Preparation thereof, its Virtues, 647.
 Emeticks, in Chymistry, 702.
 Eminent, a Vertebra of the Back, 49.
 Empalement, or Calix, in Botany, 364, 365.
 Emperors of Germany, what? 539.
 Emperors in Europe, of Germany, 539. Of Muscovy, 562. In Asia, of Turkey, 1144. Of Tartary 1154. Of Mogulistan, 1149. Of China, 1152. Of Japan, 1155. In Africa, of Abyssinia, 1164. Of Monomotapa, 1166. Monamugi, 1194.
 Empyema, in Chirurgery, 465.
 Emulgent Arteries, in Anatomy, 63.
 Enamel, what? 916. Three Sorts thereof, how prepared, *ibid.*
 ENAMELING, 915. Practised two different Ways, 916.
 Enarthrosis, in Anatomy, 44.
 Encampment of an Army, 228.
 Enchylosis, in Chyrurgery, 478.
 End of Things in Ethics, 925. Of the Work, Of the Operator, Of the last End, Natural, *ibid.*
 Engineer, General, in Army, 226.
 England, Kingdom, 1124. Invaded by the Danes, 557. Description and Division there-of, 1125, 1126.
 English; their Character, 1125.
 Engrafting, in Agriculture, 15. Its Origin, 16.
 ENGRAVING, 918. Art thereof, 919, 920. In Creux; on Stones, In Relievo on Steel, En Tail Douce, 919. Invention thereof *ibid.* On Wood, *ibid.* On Copper with the Graver, *ibid.* With Aqua Fortis, or Etching, 919, 920. In Metztinto, 920. Art there-of. Invention thereof, *ibid.*
 Enkifted, Tumours in Chirurgery, 478. Cure thereof, 467.
 Enoch, in Chronology, 501.
 Ens Veneris, in Chymistry, 658. Preparation thereof, Its Virtues, *ibid.*
 Enslaving, in Falconry, 991.
 Ensign of Infantry, 225.
 Eussheen, City, 1115.
 Entablature, in Architecture, 166.
 Entrenchment of a Camp, how made, 228.
 Entries, in Building, 402.
 Epact, in Calendar, 426. Menstrual, Ann. *ibid.* Theory thereof, 427, 428, 429. Of the current Year, how found, 430.
 Epaulment, in Fortification, 1025.
 Epidermis, in Anatomy, 55.
 Epigastrick Artery, in Anatomy, 63.
 Epigastrium, in Anatomy, 55.
 Epiglottis, in Anatomy, 79.
 Epiphany, Christian Feast, History thereof 1001.
 Epiphysis, in Anatomy, 44.
 Epiploon, in Anatomy, 57. Its Figure, &c. *ibid.* Its Uses, 58.
 Epirus, Province, History thereof, 1139. De-scription, 1140.
 Epistles of St. Clement, Bishop of Rome, 319. Of Ignatius, Bishop of Antioch, *ibid.* Of Polycarp, Bishop of Smyrna, 320.
 Epitaph, in Antiquities, Style thereof, 142. Those at Sparta, *ibid.* Collection of them by Bochornius, *ibid.* Of the Duke of Mail-borough, 143.
 Epocha, in Calendar, 402. Sacred and pro-phane, 423. Of the Creation, *ibid.* Alex-andrian, *ib.* Eusebian, *ibid.* Second sacred, Third sacred, Fourth sacred, Fifth sacred, *ibid.* Seventh sacred, 424. Dionysian, 425.
 Equation, in Algebra, Doctrine and Practice thereof, 33.
 Equation, in Astronomy, 276, 277.
 Equator, in Astronomy, 256.
 Equator, in Geography, 1075.
 Equleus, in Astronomy, 282.
 Erection of the Penis, how it happens, 66.
 Erfort, City, 1110.
 Eric II. King of Sweden, his History, 587.
 Erica, sweet broom, in Botany, Description thereof, 376. Its Virtues, *ibid.*
 Eridanus, in Astronomy, 282.
 Eriuan Province, Description thereof, 1148.
 Eryngium, in Botany, Description thereof, 376. Its Virtues, *ibid.*
 Erysipelas, in Chirurgery, Cure thereof, 364.
 Erzerum, City, capit. 1146.
 Esclavonia, Country, Description thereof, 1117.
 Espalier, in Gardening, 20.
 Espalier, Planting of, 21.
 Espalier-Hedges, *ibid.*
 Essence of Ambergrease in Chymistry, Prepa-ration thereof, 669. Its Virtues, *ibid.*
 Essex, County, 1125.
 Esther, in Chronology, 512.
 Estonia, Province, 1122.
 Estramadura, Province, 1129.
 Etæchemins, Nation, 1178.
 Ethelred, King of England, 558.
 ETHICKS, 922. Division thereof, 923.
 Ethiopia, Country, 1164.
 Ethmoidal Suture, in Anatomy, 46.
 Ethmoides Bone, in Anatomy, 48.
 Evaporate, to, in Chymistry, 623.
 Evaric, King of the Visigoths, his History, 542.
 EUCHARIST, in Theology, Sentiment there-upon of Tertullian, 956. Of Anastasius Sinaïtes, 958. Of John Damascenus, *ibid.* Of Ignatius the Martyr, 958—963. Of St. Chrysostom, 958, 964, 965. Of Hincma-rus, 960. Of Amalaricus, 960, 961. Of Ratramnus, 961. Of Justinus the Martyr, 963. Of Gelasius of Cistic, *ibid.* Of Cy-ril of Jerusalem, 963, 967. Of Gregory Nyssen, St. Ambrose, Optatus Milev, and Gaudentius of Bassia, *ibid.* Of St. Augustin. 964. Of Cyril of Alexandria, *ibid.* Of the Greek Church, 969, 970. Of the Catho-licks, *passim.* Of the Protestants, *passim.*
 Eve, in Chronology, 501.
 Eward's Sliding-Rule, Use thereof, 1072.
 Ever-green, in Agriculture, 18.
 Eugenius IV. Pope, in Chronology, 285.
 Evil Days, in Astrology, 246.
 Evolution, in Algebra, 31.
 Evonimus, Spine-Tree, in Botany, Description thereof, 377. Its Virtues, *ibid.*
 Eupatorium, in Botany, Description thereof, 377. Its Virtues, *ibid.*
 Euphrasia, Eye-Bright, in Botany, Description thereof, 377. Its Virtues, *ibid.*
 Euxens, City, Bishop, 1094.
 EUROPE, in Geography, 1090. Division and Description thereof, 1091, 1092.
 Europeans, their Character, 1091.
 Eusebius of Cæsarea, his Works, 321.
 Eusebius of Doryla, 978. His Proceeding against Eutyches, 979, 980.
 Eusebius of Nicomadin, Arian, 182, 184.
 EUTYCHIANS, their History, 977, 978, 979, 980.
 Eutyche, Heresiarch, *passim* in the Treatise.
 Excentrick Circle, in Astronomy, 258.
 Excess, in Ethics, 949.
 Excess, in Geometry, 1194.
 Exchange, in Commerce, 769. Dry, 771. Feigned, *ibid.*
 Exchange, Course thereof, 780. Par, be-tween Paris, London, &c. 781. London, Paris, &c. Amsterdam, Paris, &c. Antwerp, Amsterdam, &c. Hambourg, Paris, &c. Francfort, Paris, &c. Nuremberg, Paris, &c. London, Venice, &c. *ibid.*
 Exchange, Price thereof, of Holland with o-ther Places, 788, 789. Of Hambourg, 792, 793, 794. Of Ausbourg, 794. Of Leip-zick, *ibid.* Of Braslaw, 795. Of Prussin, Bremen, Embden, Sweden, *ibid.* Of Den-mark and Norway, 796. Of Stetin, Bol-zano, Archangel, *ibid.* Of Geneva, 796, 797. Of Savoy and Piedmont, 797. Of St. Gall, *ibid.* Of Vienna, *ibid.* Of Venice, 798, 799. Of Rome, 799. Of Bergama, *ibid.* Of Florence, 800. Of Leghorn, Genoa, Novi, *ibid.* Of Milan, 801. Of Lucca, Bologna, Naples, *ibid.* Of Sicily, 802. Of Malta, *ibid.* Of Constantinople, Smyrna, Scanderoon, Aleppo, Seyda, *ibid.* Of Spain, with the principal Places of Eu-rope, 803, 804. Of Portugal, 804, 805.
 Exchange, certain and uncertain, 808.
 Exchange of Coins, in Arithmetick, 207.
 EXCISE, History thereof, 985, 986.
 Exfoliation, in Chirurgery, 482.
 Exostosis, in Chirurgery, four Sorts thereof, 483. Cure, 484.
 Expiation, a Jewish Feast, 1000.
 Expiration, in Anatomy, 78.
 Exposure, in Agriculture, 18. Eastern, We-tern, *ibid.*
 Extract, to, in Chymistry, 623.
 Extract of Aloës, Preparation thereof, 688. Its Virtues, *ibid.* Of Carduus Benedictus, Preparation thereof, 676. Its Virtues, *ibid.* Of Juniper-Berries, Preparation thereof, 675. Its Virtues, *ibid.* Of Mairs, aperitive and astringent, 639. Of Melissa, 675. Of Quin-quina, 673. Of Rhubarb, Preparation there-of, 669. Its Virtues, *ibid.* Of Walnuts, Preparation thereof, 678. Its Virtues, *ibid.* Of Opium, called Laudapum, Preparation thereof, 686. Its Virtues, *ibid.*
 Extraction of Root, in Arithmetick, 217. Of a Cube Root, 218. Of a quadrate Cube Root, 219.
 Eye, in Anatomy, Mechanism thereof, 85.
 Eye-brows, in Anatomy, Mechanism there-of, 85.
 Eye-lids, in Anatomy, Mechanism thereof, 85. In Brutes, *ibid.*
- F
- F**Abius, a Lawyer, 330.
 Fabri, James, Calvinist, 434.
 Fabricius, Anatomist, 105.
 Fabricius, Astronomer, 268.
 Face, in Anatomy, 84. Division thereof, 85. Its Skin, *ibid.*
 Factor, in Commerce, 756.
 Factor-Book, in Book-keeping, 339. Method of keeping it, *ibid.*
 Factorage, in Commerce, 757.
 Faculties of the Soul in Animals, Sentiments thereupon, 112. Of Malbranche, 112, 113. Of Dr. Hook, 113. Of Des Cartes, *ibid.* Of De Coetlogon, *ibid.* Of Willis, 114. Of Chauvin, 115. Lock, *ibid.*
 Falcon, in Falconry, 989. Hagggar, Ger, *ibid.*
 FALCONRY, Terms thereof, 991. Art thereof, 991, 992.
 Faith, in Ethics, 944.
 Fallopian Tubes, in Anatomy, 71. Their Si-tuation, Figure, Uses, &c. *ibid.*
 Fallopius, Anatomist, 105.
 Fallowing, in Agriculture, 7.
 Falx, in Anatomy, 41.
 Fardos, Money of Account at Java, 461.
 Farel, William, Zuinglian, 436.
 Farfi, Province, 1148.
 Farina, in Botany, what? 362. Different Figures, and Colours of the Farina, *ibid.* Their Consistence. Their Manner of Im-pregnation, 363. Romance of Pontanus, *ibid.* De Coetlogon's Sentiment thereupon, 363, 364.
 Fasse, at Basset, 1067.
 Fat, in Anatomy, History thereof, Its Uses, 56.
 Fatal Books, of the Romans, 329.
 Father Ottoman, in Chronology, 590.
 Favot, in Building, 402.
 Fausse-bray, in Fortification, 1015.
 Faustus, Dr. 108.
 Feak, to, in Falconry, 991.
 Fear, in Ethics, 931.
 FEASTS, 992. Of the Romans, 993, 994. Hebrews, 1000. Christians, 1001.
 Felix V. Anti-pope, his History, 587.
 Femur, in Anatomy, 53.
 Feint, in Fencing, single and double, 4.
 Fencing, in Academy, *ibid.*
 Ferialia, Feast of the Romans, 996.
 Ferdinand I. Emperor, 541.
 Ferdinand I. called the Great, King of Castile, 567.
 Ferdinand III. King of Castile, *ibid.*
 Ferdinand V. called the Catholick, King of Castile, 568.
 Ferdinand of Austria, King of Bohemia, 570.
 Feris, among the Romans, 996, 997.
 Fermanach, County, 1129.
 Fermentation, in Chymistry, 623.
 Fernelius, a celebrated French Physician, 105.
 Ferrarise, Dutchy, 1132.
 Ferte, Assembly of, 443.
- Fen;

- Fez*, Kingdom, Description thereof, 1161.
Fez, City, Capital, *ibid.*
Fibula, in Anatomy, 54.
Figure, in Geometry, 1188.
Fillet, in Architecture, 164.
Filtrate, to, in Chymistry, 623.
Finland, Province, 1121.
Fingers, in Anatomy, their Names and Number, 53.
Fire, in Chymistry, 623, reverberatory, naked, Wheel, *ibid.* Of the Lamp, 624, Of Suppression, *ibid.* Olympick, *ibid.* Of a Glass-house, *ibid.*
Fire, of the first Degree, 623. second, 624. third, fourth, fifth, *ibid.*
Fire, in Elements, 901, Of the Peripateticians, Of the Epicureans, *ibid.* Of Boerhaave, 902, 903, Of Des Cartes, 903, 904.
First Branch collateral of France, 550, second, 551, third, *ibid.*
Fish, in Animals, 117. Cetaceous, spinous, testaceous, crustaceous, amphibious, *ibid.*
Fish, at Ombre, 1059.
Fishery of Herrings, 1003. Pilchards, 1004, Mackarel, Anchovies, *ibid.* Cods, 1005. Whales, 1005, 1006. Sturgeon, 1006. Salmon, *ibid.* Pearls, 1007.
FISHING, 1003.
Fium, Calliwick, 1169.
Fixed Stars in Astronomy, 265. Their Magnitude, 266. Number, 267.
Fixation of Salt-petre, 657.
Flamsteed, celebrated English Astronomer, 266.
Flanders, Province, 1112.
Flank, in Fortification, 1020.
Flavian, Archbishop of Constantinople, 978. His Conduct towards Eutyches, 979. murdered by the Eutychians, 982.
Flax, in Agriculture, 10. Preparation thereof, *ibid.*
Flemish, their Character, 1113.
Flints, in Chymistry, 652. History thereof, 652, 653.
Floors, in Building, 404. Different Sorts thereof, *ibid.*
Florales, ludi, among the Romans, 996.
Floralia, Feast of the Romans, 992, 993.
Florence, City, Capital, 1132.
Florentine, Province, *ibid.*
Florida, Country, 1177.
Florinond de Remond, Historian, 433.
Florin, Dutch Coin, 752.
Flowers, in Botany, 364. Monopetalous, 365. Polypetalous, 366. Compound, imperfect, *ibid.* Spring, Summer, Autumn, 19.
Flowers, in Chymistry, of Jupiter, Preparation thereof, their Virtues, 332. Antimony, 647. Preparation thereof, their Virtues, 648. Sulphur, Preparation thereof, their Virtues, 665. Sal-Armoniack, Preparation thereof, their Virtues, 658. Benzoin, 689, Preparation thereof, 690.
Floyer, Sir John, 70.
Fluxion, in Algebra, 34. Doctrine, and Method thereof, 35. Unverse, or Calculus integralis, 36.
Fætus, in Anatomy, 68. Formation thereof, 70, 71.
Fokien, Province, 1153.
Folding-Sticks, in Book-binding, 333.
Foramen Gustativum, in Anatomy, 76. Uses thereof, according to Harvey, &c. according to Medri, according to Du Verney, *ibid.*
Forbatus, Bishop of Edinburgh, 973.
Forehead, in Anatomy, 84.
Foretz, Province, 1098.
Form, or Disposition in Building, 394. simple, *ibid.* mixed, 395. circular, angular, *ibid.*
Formation of the fixed Stars, in De Coetlogon's Hypothesis, 265.
Fornica, or Ant, in Animals, History thereof, 122.
Formix, in Anatomy, 82.
Fort Royal, City, Capital, 1181.
FORTIFICATION, or military Architecture, 1012. Durable, temporary, *ibid.* regular, irregular, 1013. antient, 1023.
Fortitude, in Ethicks, 949.
Forum's, in Antiquities, 134, 137. Their Dimensions, *ibid.* Their Number at Rome, 138.
Forum Vetus, what, *ibid.*
Fossia supra spinata, in Anatomy, 52. Navelicularis, 68.
Foundations, in Building, 394. natural, artificial, rocky, *ibid.* Conditions thereof, and the Manner of laying them, *ibid.*
FOUNDERY, 1032. Of Statues, 1034. Of Bells, 1035. Of Letters, 1036, 1037.
Font, in Letter-Founding, 1034.
FOWLING, 1037. For Water-Fowls, 1038, 1039, 1040. Land-Fowls, viz. Snipes, 1041. Felfares, 1042. Rooks, Herons, *ibid.* Pheasants, 1042, 1043. Partridges, 1043, 1044. Rails, Quails, &c. *ibid.*
Fowling-Piece, 1039. Fraction in Algebra, Decimal, Sexagesimal, Vulgar, 32. In Arithmetick, Vulgar, Proper, Simple, 211.
Fracture, in Chirurgery, 478. simple, complicated, *ibid.* Cure thereof, 479. Of the Cranium, 482. Their Symptoms and Cure, *ibid.* Of the Leg, 480. Its Apparatus, 480. Of the Femur, &c. *ibid.* Of the Ribs, Apparatus thereof, 481. Of the Humerus, Radius, &c. *ibid.* Of the inferior Jaw-bone, Apparatus thereof, *ibid.* Of the Clavicle sloping, Apparatus thereof, *ibid.* Of the Rotula, Reduction thereof, *ibid.* Of the Nose, 497.
France, in Geography, 1092. Description and Division thereof, 1093, 1094. Its Government, *ibid.* invaded by the Normans, 547.
Frankfort on the Mayne, City, 1105.
Franch County, Province, 1107.
Francis I. King of France, his History, 551.
Franco, famous Lithotomist, 493.
Franconia, Province, 1107. Description thereof, 1107, 1108.
Fraxinus, Ash-tree, in Botany, 377.
Fredegonde, Queen of France, her History, 545.
Frederick I. called Barbarossa, Emperor, his History, 540.
Frederick Augustus II. King of Poland, his History, 565.
Frederick III. the present King of Poland, his History, 565.
Free-Will, in Ethicks, 933.
Freeze, or Frize, in Architecture, 166. pulvinated, flourished, historical, rustick, *ibid.*
Freight, in Commerce, 817.
French, their Character, 1092.
French Armies, under the Merovingians, 240.
French Parliaments, 1092. When, and by whom instituted, 1093.
Frere Jacques, famous Lithotomist, 493.
Fret, in Building, 703.
Friar Bacon, an Englishman, 105.
Friars, in the Clergy, 720. Their Origin, 721.
Fribourg, Canton, 1116. Description thereof, *ib.*
Frioul, Province, 1134.
Friseland, Lordship, 1114.
Fructifera, in Botany, 368.
Fruits, in Gardening, 21. Different Sorts thereof, in Commerce, *ibid.*
Frying, in Cookery, 829.
Fulgoral Books of the Romans, 329.
Fullers, among the Romans, 1048.
Fuller's Earth, 1048.
FULLING, of Cloth, Stuff, Stockings, &c. 1048.
Fulling-Mill, *ibid.*
Fumaria, Fumitory, in Botany, its Virtues, 377.
Fumigate, to, 623.
Furnace, in Chymistry, 625. Different Sorts thereof, 626. In Foundery, 1032.
Fustick, in Dying, 881.
- G.**
- G**Abion, in Fortification, 1025.
Gabriel of Lacedemon, his Doctrine of the Eucharist, 973.
Gabriel of Philadelphia, his Doctrine of the Eucharist, 969.
Gaiba, Sergius, Emperor, in Chronology, his History, 524.
Galen, a celebrated Physician, 105.
Galian, Emperor, in Chronology, his History, 529.
Galicia, Kingdom, Description thereof, 1130.
Gall-Bladder, in Anatomy, its Texture, Situation, Uses, &c. 61.
Gallery, in Building, Disposition thereof, 402.
Gallery, in Fortification, 1025.
Galloway, County, Description thereof, 1125.
Gallus, Emperor, in Chronology, his History, 528.
Gambet, at Chess, 1051.
Games, among the Romans, Florales, Apollinares, Megalenses, 999.
Games, Roman, 999, 1000. Capitoline, Secular, Augustales, Palatine, Votivi, Quinquennialia, *ibid.*
Games of the Circus, in Antiquities, 137.
Games, modern, of Exercise, 1049. Of Tennis, Billiards, 1050.
Games at Chess, Ombre, Quadrille, Quintille. Art thereof, 1051, 1052, 1053, 1054.
Picquet, Basset, Grand Trick-track, 1065, 1066, 1067.
Games, Trojan, History thereof, 1069.
GAMING, 1048. Art thereof, 1049, 1050, 1051.
Ganglion, in Chirurgery, 465.
Gangrene, in Chirurgery, 63. Different Sorts, and Signs thereof, *ibid.* Its Cure, 463, 464.
Gap, City, Bishop, 1102.
Garbia, Calliwick, in Geography, 1160.
Garcias, King of Leon, in Chronology, 557.
Garcias III. called the Quaker, King of Navarre, 560.
Garcias IV. called the Brave, King of Navarre, *ibid.*
Garcias V. King of Navarre, *ibid.*
Garden, in Agriculture, 18.
Gardening, *ibid.*
Garet, Province, 1161.
Gascony, Province, 1099.
Gastromancy, in Astrology, 255.
Gate, in Building, different Sorts thereof, 396.
Gatinois, Country, 1094.
Gaudentius, St. his Doctrine of the Eucharist, 963.
Gauger, Mr. a French Mathematician, 398.
GAUGING, 1070. Art thereof, 1071, 1072.
Gauging-Rods, 1070. Description thereof, 1071.
Geyza I. King of Hungary, 566.
Gelasius of Cyfick, his Doctrine of the Eucharist, 963.
Gelasius II. Pope, 582.
Gemelli, Muscles, in Anatomy, their Process, Insertion, &c. 101.
Gemini, Muscles, in Anatomy, their Process, Insertion, &c. 100.
Gemini, in Astronomy, 281.
Gendarmery, in Army, 223.
Gen-de-retours at Trick-track, 1068.
General of an Army, his Qualities, Duties, Authority, &c. 226.
General of Artillery, in Army, his Duties, *ibid.*
Generation, in Anatomy, 68. How effected, 69, 70.
Generation of Plants, in Botany, 361. Theory thereof, by Bradley, 362. Geoffrey, Tournesfort, Coetlogon, 363.
Gennadius, his Doctrine of the Eucharist, 969.
Gener, a Republick, 1116.
Genoa, Republick, in Geography, 1137. History thereof, 1135.
Genoa, City, Archbishop. *ibid.*
Genoese, their Character, *ibid.*
Geoffery, M. Naturalist, 362.
GEOGRAPHY, Universal, Particular, 1073, 1074.
Geometrigena Butterflies, in Animals, 121.
GEOMETRY, Theoretical, Practical, 1186.
George I. King of Great Britain, his History, 560.
George II. King of Great Britain, part of his History, 561.
George II. Grand Duke of Muscovy, 563.
George Crotessius, a Greek Theologian, 973.
Georgia, Province, 1146.
Geranium, Storks Bill, in Botany, Description thereof, 377. Its Virtues, *ibid.*
Germ, in Botany, 351.
Germans, their Character, 1106.
GERMANY, Country, in Geography, 1105. Description and Division thereof, 1105, 1106.
Gesalic, King of the Visigoths, 543.
Geza, Calliwick, 1160.
Ghiland, Province, 1148.
GILDING, 1200. By the Fire in Oil, *ibid.* Water-Gilding, 1201.
Gilla Vitrioli, in Chymistry, Preparation thereof, 661. Its Virtues, *ibid.*
Gilolo, Island, in Geography, 1156. Description thereof, 1157.
Gingi, Principality, in Geography, Description thereof, 1151.
Ginglymus, in Anatomy, 44.
Girdler, a Vertebra of the Back, 50.
Girio, Calliwick, in Geography, 1160.
Gladiators, in Antiquities, 136. Their first Institution; divers Kinds of Gladiators, 137. Their Weapons, Combats, Rewards, &c. *ib.*
Glacie, in Fortification, 1015.
Glandule inguinales, in Anatomy, 66.
Glaris, Canton, in Geography, Description thereof, 1116.
Glass, in Building, different Sorts thereof, 393.
Glass of Antimony, Preparation thereof, 646. Its Virtues, *ibid.* Remarks thereupon, 647.
GLASS-GRINDING, 1212. Convex, and Concave Glasses, *ibid.* Looking Glasses, 1203.
Gleaming, in Falconry, 991.
Glenoides, Cavity, in Anatomy, 45.
Glisson, Anatomist, 105.
Glisson's Capsula, in Anatomy, 60.
Globes, in Astronomy, 289.
Glotia, in Anatomy, 79.
Glycerius, Emp. of the West, his History, 532.
Golconda, Kingdom, in Geography, Description thereof, 1151.
- Gold,

INDEX to the FIRST VOLUME.

- Gold, in Chymistry, History thereof, 628.
Golden, Flemish Coin, 752.
Golden Number, in Calendar, 427.
Golden Sulphur of Antimony, Preparation thereof, 645. Its Virtues, *ibid*.
Goldfinch, in Fowling, 1047.
Goldman, English Architect, 408.
Gomphosis, in Anatomy, 44.
Gongalle I. King of Scotland, 553.
Gonorrhoea, in Chirurgery, different Stages thereof, 465. Its Cure, 475.
Good, in Ethicks, three Sorts thereof, but one essential, 223. By Participation, honest, agreeable, useful, *ibid*. Moral, 937.
Goshawk, in Falconry, 990.
Gothy, or *Gothland*, Province, Description thereof, 1121, 1122.
Gothick Architecture, antient, modern, 163.
Government of the English Church, 723, 724.
Government of Asia, 1143. Of Europe, 1191.
Goulette, La, a Fort in Africa, 1161.
Graaf, Anatomist, 62.
Grace, in Ethicks, 949.
Gramen, in Botany, its Virtues, 377.
Grand gens d'Arms, in the King of France's Household Troops, 223.
Grand Oeuvre, in Alchymy, 23.
Granulate, to, in Chymistry, 623.
Gratz, City, 1106.
GREAT BRITAIN, Kingdom, Description and Division thereof, 1123, 1124.
GREECE, Country, 1138. Description thereof, 1139, 1140.
Greek Medals, in Antiquities, 144.
Greek Church, their Doctrine of the Eucharist, 969.
Greenfinch, in Fowling, 1047.
Greenland, Country, Description thereof, 1183.
Gregorian Calendar, History thereof, 426.
Gregorian Intercalation, *ibid*.
Gregory, Protosyncelle of the Church of Constantinople, his Doctrine of the Eucharist, 973.
Gregory Nyssen, his Doctrine of the Eucharist, 963.
Gregory of Laryssa, his Doctrine of the Eucharist, 973.
Gregory I. King of Scotland, 554.
Gregory the Great, Pope, sends Augustin the Monk into Great Britain, 577.
Gregory II. Pope, his History, 579.
Gregory III. Pope, his History, *ibid*.
Gregory IV. Pope, his History, 580.
Gregory VII. Pope, his History, 582.
Gregory XI. Pope, his History, 584.
Gregory, Anti pope, his History, 586.
Grenada, Kingdom, 430.
Grenoble, City, Bishop, 1102.
Grey Ligue, Republick, History thereof, 1116.
Grinders, Teeth, in Anatomy, their Number, 49.
Groninguen, Lordship, Description thereof, 1114.
Grove, in Agriculture, different Sorts thereof, 19.
Guadalajara, Audience, 1177.
Guadaloupa, Island, 1181.
Guaine, in Chymistry, 640.
Guard, in Fencing, 4.
Guard of a Camp, in Army, different Kinds thereof, 229.
Guard-de-Corps, in Army, 223.
Guard-Marine, in the French Navy, 271.
Guatemala, Province, 1175.
Guaxara, Province, *ibid*.
Guienne, Province, 1177.
Guilochis, in Building, 403.
Guinea, Country, Description and Division thereof, 1164.
Guinea, Kingdom, discover'd by the Portuguese, 572.
Guinea, in modern English Coins, 743, 744.
Gula, in Architecture, 165.
Gulph, in Geography, Description thereof, 1185.
Gun, Ammoniac, in Chymistry, History thereof, 691. Its Virtues, *ibid*.
Gustavus I. King of Sweden, 587.
Gustavus Adolphus, called the Great King of Sweden, 588.
Guy of Crene, Anti-pope, his History, 586.
Guzala, Province, 1161.
Gymnasia of Athens, their Number, 140.
Gymnasiarcha, in Antiquities, *ibid*.
Gymnasium, in Antiquities, *ibid*.
Gymnasticon, in Antiquities, *ibid*.
Gymnasticks, in Antiquities, *ibid*.
H.
HABAT, Province, 1161.
Hack, in Falconry, 994.
Hacac, City, capit. 1147.
V O L. I.
Hagiographa, or Cetavim, 328.
Hainom, Province, 1154.
Hainault, Province, Description thereof, 1094.
Hairs, in Anatomy, History thereof, 105.
Halberstad, Principality, Description thereof, 1111.
Half-Moon, in Fortification, 1015.
Hall, or Salle, in Building, 402. Tetrastyle, Egyptian, Corinthian, Testitudinated, *ibid*.
Halland, Province, 1122.
Halsingia, Province, 1122.
Harmonia, in Anatomy, 44.
Harrow, in Agriculture, 8.
Harrowing, *ibid*.
Hart's-horn, in Chymistry. Its Virtues, 695.
Harvey, a celebrated Physician, and Anatomist, 76.
Hascora, Province, 1161.
Harvanna, City, Bishop, 1180.
Havers, Anatomist, 105.
Hawk, in Falconry, 989.
Hea, Province, 1161.
Head, in Anatomy, 46. Division, and Description thereof, 46, 47.
Head, or Chief of the Church, 610. Doctrine thereof, 611, 612.
Head-band, in Book-binding, 334.
Hearing, how performed, 88.
Heart, in Anatomy, 73. Its Figure, Magnitude, Length, Substance, *ibid*. Ventricles, Auricles, Use, Motion; Principle thereof whence, according to Des Cartes, 74.
Heartfocker, Mr. 69.
Heat, of Quick-lime, in Chymistry, 624.
Heaven, in Astrology, 242, 243.
Heavens, in Astronomy, 255. Their Number, as imagined by the Antients, *ibid*.
Heber, in Chronology, 502.
Hebrides, Isles in Europe, 1128.
Hecatomb, Sacrifice, among the Romans, 898.
Hedge-Sparrow, in Fowling, 1047.
Heidelberg, City, capit. 1150.
Heiderabab, City, capit. 1115.
Helyx, in Anatomy, 87.
Hemp, in Agriculture, 9. Culture thereof, 10.
Henry II. King of France, his History, 552.
Henry III. King of France, his History, *ibid*.
Henry IV. called the Great, King of France, his History, *ibid*.
Henry I. King of England, his History, 558.
Henry II. King of England, his History, *ibid*.
Henry IV. King of England, his History, 559.
Henry V. King of England, his History, *ibid*.
Henry VI. King of England, his History, *ibid*.
Henry VII. King of England, his History, *ibid*.
Henry VIII. King of England, his History, *ibid*.
Henry II. King of Castile, his History, 567.
Henry III. King of Castile, his History, *ibid*.
Henry I. King of Bohemia, his History, 569.
Henry, King of Portugal, his History, 572.
Heptagon, in Fortification, 1016. In Geometry, 1188.
Heraclonas, Emperor, in Chronology, 535.
Herba Paris, in Botany, 277. Description thereof, its Virtues, *ibid*.
Herbaceæ Plants, in Botany, 368.
Herba Capitalæ, in Botany, *ibid*.
Hercules, in Astronomy, 281.
Hereford, County, in Geography, 1126.
Heremites, James, 263.
Hermenstad, City, capit. 1117.
Herod, called the Great, King of the Jews, his History, 514, 515.
Herod Antipas, King of the Jews, 516.
Herod Agrippa, King of the Jews, his History, *ibid*.
Herodian, Historian, 330.
Herold I. King of Norway, 563.
Herold II. King of Norway, *ibid*.
Herp, in Chirurgery, dry, humid, 464. Cure thereof, *ibid*.
Hertford, County, 1125.
Heterosians, in Geography, 1080.
Hesse, Landgravate, Description thereof, 1108.
Hevelius's Catalogue of the Stars, in the Constellations, 273.
Hexagon, in Fortification, 1016. In Geometry, 1188.
Hexapla, Book of Origen, 316.
Hezekiah, King of the Israelites, in Chronology, his History, 509.
Hidelsheim, Bishoprick, Description thereof, 1111.
Hierarchy, first, second, and third, of Angels, 106.
Hieroglyphicks, in Antiquities, 142.
High-ways of the antient Romans, 143. Flaminian, Appian, Aurelian, Numentan, Military, &c. *ibid*.
Hip-Bones, or Ossa innominata, in Anatomy, 51.
Hips of Roofs, in Building, 401.
Hispahan, City, capit. 1148.
Hispaniola, or San-Domingo, Island, Description thereof, 1180.
History of Antiochus, in Chronology, 513.
Hiteron, Island in Europe, 1123.
Hobbs, an English Author, his Sentiment on Love, 938.
Hobby, in Falconry, 990.
Hoffman, Anatomist, 105.
Hole, in Anatomy, 44.
Holland, Country, Description thereof, 1114.
Holstein, Dutchy, Description thereof, 1111.
Holiness of the Church, Proofs thereof, 601.
Honan, Province, 1154.
Honduras, Province, 1177.
Honey, in Chymistry, 696. History and Distillation thereof, 696, 697.
Honorius, Emperor, in Chronology, 530. His History, 531.
Honorius I. Pope, condemned as Heretick, 578.
Hood, in Falconry, 991.
Hook, Dr. an Englishman, 113.
Hop, in Agriculture, 8. Culture thereof, *ibid*. Planting, dressing, poling, tying, gathering, turning, and bagging of Hops, 9.
Hop, in Brewing, 387.
Hope, in Ethicks, 944.
Horace, a Poet, 329.
Horizon, in Astronomy, 256. In Geography, 1077, 1078.
Hormisdas, Pope, in Chronology, 576.
Horn-work, in Fortification, 1015, 1016.
Horse-Guards, in Army, 225.
Hot-bed, in Agriculture, 6.
Hours, in Calendar, 416. Equal, or astronomical; unequal, or temporary, *ibid*.
Hours, in Clock-making, 734.
Hours, in Dialling, 871. Astronomical, Babylonian, Italian, 872, 873.
House of Guise, when established in France, and by whom, 442.
Houses of the Sun, in Astrology, 254.
Huguang, Province, 1154.
Hugues Capet, King of France, his History, 578.
Human Acts, in Ethicks, interior, 929. Volition, Intention, Fruition, Deliberation, Consent, Use, *ibid*. Exterior.—Commanded, voluntary, 930, 931.
Human Books, Division thereof, 321.
Humerus, in Anatomy, 52.
Hungarians, their Character, 1117.
Hungary, Kingdom, Description and Division thereof, 1116, 1117.
Hungary-water, in Chymistry, Preparation thereof, 681. Its Virtues, *ibid*.
Huntingdon, County, 1126.
Hurepois, Country, 1094.
Hurons, a Nation in America, 1178.
Hus, Province, 1161.
Huygens, John, celebrated Astronomer, 263.
Hydromancy, in Astrology, 254.
Hyginus, Historian, 333.
Hyginus, Pope, his History, 574.
Hymen, in Anatomy, different Sentiments thereupon, 68.
Hyoscyamus, Henbane, in Botany, Description thereof, 277. Its Virtues, *ibid*.
Hypochondria, in Anatomy, their Number, and Use, *ibid*.
Hypocrates, a celebrated Physician, 105.
Hypogastrick Artery, in Anatomy, 63.
Hypogastrick Region, in Anatomy, 55.
Hypothenar, a Muscle, in Anatomy, 97.
Hypothenuse, in Geometry, 1188.
Hypothimia, in Chirurgery, 486.
Hypparchus's Catalogue of the Stars, 267.
Hyrcanus, high Pontiff, in Chronology, his History, 514.
J.
JACK, to, in Falconry, 991.
Jacob, in Chronology, his History, 503.
Jacobæa, James-wort, in Botany, Description thereof, 377. Its Virtues, *ibid*.
Jaczuziga, Kingdom, 1163.
Jaddus, King of the Hebrews, his History, 512.
Jalaf, Kingdom, 1163.
Jalap, in Chymistry, History thereof, 669, 670.
Jamaica, Island, in Geography, History and Description thereof, 1180.
Jamba, Kingdom, 1150.
James Paul Spifame, Bishop of Nevers, turns Calvinist, 440.
James I. called the Victorious, King of Aragon, 568.
James II. King of Aragon, 569.
James I. King of Great Britain, his History, 559.
James II. King of Great Britain, his History, *ibid*.
14 E James

INDEX to the FIRST VOLUME.

- James I.* King of Naples, 571.
James I. King of Scotland, 554.
James II. King of Scotland, *ibid.*
James III. King of Scotland, 555.
James IV. King of Scotland, *ibid.*
James V. King of Scotland, *ibid.*
Janan, Empire, in Geography, 1155.
Janfon of Almelooven, Anatomist, 62.
Japan, Empire, Description thereof, 1155, 1156.
Japanese, their Character, 1155.
Jaroslav, Province, 1120.
Jason, buys the Pontificate of the Jews of Antiochus, 513.
Jawa, Island, Description thereof, 1157, 1158.
Javarin, Government, in Hungary, 1117.
Jaw-bones, in Anatomy, 48.
Janizar Agasi, in the Turkish Armies, 240.
Janizaries, in the Turkish Armies, 239. Their Distinction, their Arms in Europe, *ibid.*
Ibex, Animal, 116.
Ibrahim, Emperor of the Turks, 589.
Iceland, in Geography, 1182.
Ichonography, in Fortification, 1013.
Ides, in Calendar, 417.
Jeanne, D'Arc, called the Maid of Orleans, her History, 551.
Jeanne I. Queen of Naples, her History, 571.
Jeanne II. Queen of Naples, her History, *ibid.*
Jeanne I. Queen of Navarre, her History, 561.
Jeanne II. Queen of Navarre, her History, *ibid.*
Jecenziga, Kingdom, 1163.
Jebu, King of Israel, 508.
Jeimau, Province, 1154.
Jejunum, Intestine, in Anatomy, 59. Its Length according to Dionis, *ibid.*
Jellies, in Confectionary, 824.
Jenupar, Kingdom, 1153.
Jephthah, in Chronology, 504. His Vow accused of Temerity by some of the antient Fathers, *ibid.*
Jeremiab, Patriarch of Constantinople, his Doctrine of the Eucharist, 971.
Jeremiab, begins to prophesy, 514.
Jeroboam I. King of Israel, his History, 506.
Jeroboam II. King of Israel, his History, *ibid.*
Jersey, Island, 1125.
Jerusalem, taken by Titus, 525.
Jesual, Kingdom, 1140.
Jesus Christ born, 522.
Jet, in Commerce, what? 819.
Jewish Church Books, 328.
Jewish Clergy, 703. A Hierarchy, or Subordination therein; by David, *ibid.*
Jezabel, Queen of Israel, 507.
Ignatius, the Martyr, his Letter to the Mag-nesians, 704.
Ignorance, in Ethicks, 931.
Ileos, Capitanate, in Geography, 1175.
Ilia, in Anatomy, 55.
Iliac Arteries, in Anatomy, 63. External, internal, *ibid.*
Ilium, one of the small Intestines, in Anatomy, 59. Its Situation, *ibid.*
Imagination, Faculty of the Soul, 114.
Immoveable Feasts, 1001.
Imperfect Flowers, in Botany, 366.
Imperfect Plants, in Botany, 366.
Imping, in Falconry, 991.
Impost, in Building, 396.
Impregnation of Plants, 362, 363.
Incisores, Teeth, in Anatomy, 49.
Inclination of Jupiter's Orbit, 256.
Inconsideration, in Ethicks, 948.
Inconstancy, in Ethicks, *ibid.*
Incus, a Bone, in Anatomy, 47.
Independents, their Clergy, 726.
Index, of prohibited Books, 328, 329.
INDIA, Country, in Geography, 1148. History and Division thereof, 1149, 1150.
India, this Side the Ganges, Description thereof, 1151.
India, beyond the Ganges, Description thereof, 1151, 1152.
Indians, their Character, 1149.
Indiction, in Calendar, 417. Cycle thereof, 422.
Indigo, in Dying, 880.
Indorsing, in Book-binding, 334.
Infallibility of the Church, Proofs thereof, 604, 605.
Infant-Baptism, when instituted, 307. On what Account, 308, 309. Necessity thereof, *ibid.*
Infants departing without Baptism, if saved, *ibid.*
Inferior Clergy, what, 706.
Influence of the Planets, on Men, injurious to God, 248. Proofs thereof, 248, 249.
Influence of the Planets on Metals, a Romance, 626.
Infandibulum, in Anatomy, 82.
Ingria, Province, 1121. Description thereof, 1122.
Ink, in Falconry, 991.
Inn, River, 1107.
Innocent I. Pope, 576.
Innocent VI. Pope, his History, 584.
Innocent XI. called the Protestant Pope, 585.
Inoculation, in Agriculture, how performed, 15.
Inspiration, in Anatomy, how performed, 78.
Inspruck, on the Inn, City, 1107.
Insects, in Animals, 120.
Insectivorous Birds, in Animals, 119.
Insolation, in Chymistry, 624.
Instrumental Arithmetick, 222.
Instruments of Chirurgery, portative, non-portative, 461.
Insurance, in Commerce, Policy and Prime thereof, 818.
Intelligence, in Ethicks, 944.
Intercostal Nerve, in Anatomy. Its Texture, Progress, Insertion, &c. 83.
Interest, in Arithmetick, 206. Compound and simple, 207.
Intermewing, in Falconry, 998.
Interossei Muscles, in Anatomy, Interni, Externi, 102.
Intestines, in Anatomy, small, 58. large, 59. Their Situation, Figure, Motion, Uses, &c. *ibid.*
Invasion of the Island of Cyprus by the Turks, 541.
Invasion of Italy, by Attila, 531.
Invention of Astronomy, 300.
Involution in Algebra, 31.
Joachar, King of Israel, 508.
Joas, King of Judah, his History, 507.
Jonathan, King of Judah, his History, 508.
John, called Comnene, Emperor of Constantinople, his History, 537.
John Ducas, Emperor of Constantinople, his History, *ibid.*
John IV. Emperor of Constantinople, his History, *ibid.*
John V. Emperor of Constantinople, his History, 538.
John VI. Emperor of Constantinople, his History, *ibid.*
John VII. Emperor of Constantinople, his History, *ibid.*
John Femnises, Emperor of Constantinople, 586.
John I. King of France, his History, 550.
John I. King of England, his History, 558.
John I. King of Arragon, his History, 569.
John II. King of Arragon, his History, *ibid.*
John I. King of Portugal, his History, 572.
John II. called the great, King of Portugal, his History, 572.
John IV. King of Portugal, his History, *ibid.*
John V. King of Portugal, his History, *ibid.*
John I. King of Sweden, his History, 587.
John Corvinus, called Huniades, King of Hungary, his History, 566.
John of Luxembourg, King of Bohemia, 569.
John Arden, an English Surgeon, 473.
John Godfrey de Bary, called *La Renaudie*, 443.
John IX. Pope, condemned the Election of Boniface VII. 581.
John XII. Pope, the first Pope that changed his Name after his Election, *ibid.*
John XIII. Pope, established the Blessing of Bells, *ibid.*
John XVI. Pope, in whose Time the Election of the Pope, was taken from the People, *ibid.*
John XVII. Pope, procured the Union of the Greek Church with the Latin, *ibid.*
John XX. Pope, accused of having favour'd the Errors of the Millenaries, *ibid.*
John XXI. Pope, deposed at the Council of Constance, 584.
John Basilides I great Duke of Muscovy, 562.
Joists, in Building. Dimensions thereof, firred Joists, 400.
Ionick Order, in Architecture, 171. Origin thereof, 172. Used in Churches, &c. *ibid.*
Ionick Column, 171.
Ionic, Architrave, Cornice, Entablature, Freeze, 172.
Joram, King of Judah, his History, 507.
Jorostas I. Great Duke of Muscovy, 562.
Jorostas II. Great Duke of Muscovy, *ibid.*
Josaphat, King of Judah, joins with Ahab against the Syrians, 507.
Joseph I. Emperor of Germany, 537.
Josephus, Historian, 330.
Joshua, in Chronology, his History, 503.
Josias, King of Judah, 514. Kill'd in a Battle he fought against Necho King of Egypt, *ibid.*
Jovinian, Emperor of Constantinople, dies suddenly at Dadaftanus in Bythinia, 336.
Journal, in Book-keeping, 336. Method of Keeping it, *ibid.*
Ipharus, King of Assyria, 505.
Iphigenia sacrificed, 504.
Ipres, City, Bishop, 1107.
Irene, Empress of Constantinople, causes the Eyes of her own Son to be put out, 535.
Ireland, Kingdom, 1128.
Iris, in Anatomy, 86.
Irisb, their Character, 1129.
Iron, in Chymistry, Preparation thereof, 637.
Iroquois, Nation, in America, 1178.
Irrationality, 115.
Isaac, called Angel, Emperor of the East, 537.
Isaac, called Comnene, Emperor of the East, *ibid.*
Isaiah, prophesies the Birth of Christ, 509.
Ischiadica, a Vein, in Anatomy, major and minor, 104.
Isti, thought to be the same with Ceres, 12.
Ista, River, 1140.
Island of Aland, in Europe, 1122.
Island of Cos, in Asia, 1145.
Island of Cyprus, in Asia, 1145.
Island of Corfu, 1133.
Isle of France, Province, 1094.
Israelites, their Origin, 503. Delivered from the Captivity of Egypt by Moses, *ibid.* From that of Mesopotamia, by Barach, and Deborah, 504. From that of the Midianites by Gideon, *ibid.* From that of Babylon by Cyrus, King of Persia, 515. Change their Government, *ibid.*
Issel, River, 1112.
Ister, River, 1107.
Isthmus, in Geography, 1184. Of Suæz, of Panama, of Corinth, of Precop, of Tenaferin, *ibid.*
Isria, Province, 1134.
Italians, their Character, 1131.
ITALY, Country, *ibid.* Description thereof, 1132, 1133.
Itinerary Measures, in Geography, antient, modern, 1088.
Judas Maccabee, in Chronology, 530. Gained several Victories over Antiochus's General; sends Money to the Temple, to offer Sacrifices for the departed Souls of those killed in the Field of Battle, killed himself in a Fight, *ibid.*
Judicial Astrology, 242.
Judith, in Chronology, her History, 510.
Jugglers, in Alchymy, 24.
Jugurthine War of the Romans, 521.
Jule, Italian Coin.
Julian the Apostate, Emperor, his History, 532.
Julius Cæsar, Emperor, in Chronology, 521. Usurps the sovereign Authority, killed in the Senate by Cassius, and his Accomplishes, 522.
Julius II. Pope, his History, 584.
Julius III. Pope, his History, 585.
Juniper-berries, in Chymistry, 674.
Juniper-tree, in Botany, 377.
Jupiter, in Astronomy, its Phases, 286.
Jupiter's Satellites; their Phases, 287.
Justice, in Ethicks, 948. Special, commutative, distributive, 949.
Justin, the Martyr, his Doctrine of the Eucharist, 963.
Justinian I. Emperor, his History, 534.
Justinus the Elder, Emperor, his History, 533.
Justinus II. called the Younger, Emperor of Constantinople, his History, 534.

K.

KACHEMIR, Kingdom, 1150.
Kakares, Kingdom, *ibid.*
Kaimash, Province, in Geography, 1154.
Kalmuki, Province, *ibid.*
Kandis, Kingdom, 1150.
Kandura, Kingdom, *ibid.*
Karakatai, Province, 1154.
Karasin, Province, 1148.
Kargapol, Province, 1120.
Karrick, Province, 1127.
Kastigar, Province, *ibid.*
Keil, Dr. 62.
Keister, Anatomist, 105.
Kelholm, Province, 1122.
Kenneth II. King of Scotland, 524.
Kent, County, 1126.
Kermes, in Dying, History thereof, 881.
Kheirman, Province, 1148.
Kidneys, in Anatomy, their Figure, Situation, Uses, &c. *ibid.*
Kildare, County, 1128.
Kilkenny, County, *ibid.*
Kimilapmarsh, Province, 1122.

King,

INDEX to the FIRST VOLUME.

- King, at Chels, 1050.
Kingdoms, in Geography, in Europe, of Denmark, 1122. Of France, 1092. Of Great Britain, 1123. Of Naples, 1132. Of Poland, 1117. Of Portugal, 1130. Of Prussia, 1118. Of Sardinia, 1136. Of Spain, 1129.
Kingdoms, in Asia, of Persia, 1148. Of Agra, 1150. Dely, Guahor, Bando, Gelfemer, Jenupar, Peugeot, Naugracut, Bankish, Attock, Multan, Hayacan, Buccar, Gurarat, Chiror, Bakar, Kabul, Cabul, Decan, *ibid.* Golconda, 1150. Visapur, Bishnagar, 1151. Decan, ava, *ibid.* Pegu, Aracan, Cochinchina, Camboya, Chiampa, *ibid.* Egypt, 1159. Barca, Tripoli, 1160.
Kingdoms, in Africa, Morocco, 1163. Fez, Algier, Tunis, Borno, Goaga, Berdoa, Lempta, Targa, Genehoa, Gualata, Cafangas, Cano, Cassena, Gago, Guber, Gangara, Agades, *ibid.* Barmagas, 1165. Bagamedri, Amara, Damut, Bambea, Gabo, Angola, *ibid.*
Kingdoms, in America. Of Peru, 1172.
King's County, Province, 1128.
King's Evil, in Chirurgery, 465.
Kircher, a Geometer, 127.
Knight, at Chels, 1050.
Koffe, in Geography, 1089.
- L.
- L**abia, of the Matrix, in Anatomy, 68. their Situation, Texture, &c. *ibid.*
Labourd, Country, Description thereof, 1100.
Laboureur le, Historian, 442.
Labyrinth, in Anatomy, its Figure, Situation, 47.
Lacedemon, City, Capital, 1139.
Laceretian Muscles, in Anatomy, their Process, and Connection, 74.
Lacres, Money of Account, in the Mogulistan, 762.
Lacuna, in Anatomy, what, 68.
Lady-Day, Feast among the Christians, 1001.
Ladislas I. King of Poland, his History, 564.
Ladislas II. King of Poland, *ibid.*
Ladislas III. called L'Asconogue, King of Poland, his History, *ibid.*
Ladislas IV. King of Poland, deposed by his Subjects, restored afterwards, *ibid.*
Ladislas V. King of Poland, 565. comes to the Throne by Marriage, *ibid.*
Ladislas VI. King of Poland, and likewise of Hungary, killed at the Battle of Varnes, *ibid.*
Ladislas Sigismond, King of Poland, defeats Oman, Emperor of the Turks, *ibid.*
Ladislas I. King of Hungary, 566. died with the Reputation of a Saint, *ibid.*
Ladislas III. King of Hungary, his History, *ibid.*
Ladislas IV. King of Hungary, his History, *ibid.*
Ladislas V. King of Hungary, conquer'd the Kingdom by his Valour, *ibid.*
Ladislas, first King of Bohemia, his History, 569.
Ladoga, Lake, in Muscovy, 1119.
Ladrones, Island, in Asia, 1158.
La Galluce, a Temple at Rome, 139.
Lake Crena, in Muscovy, 1136.
Lake Garda, in Russia, 1131.
Lake Lomund, in Russia, 1126.
Lake of Perusia, in Russia, 1131.
Lake Tungtin, in Asia, 1153.
Lake Nicaragua, in America, 1176.
Lake Niger, in Africa, 1164.
Lake Zachaf, in Africa, 1166.
Lamboides, suture, in Anatomy, Situation thereof, 46.
Lancaster, County, 1126.
Land Army, how composed, 223.
Land-Birds, in Animals, Division thereof, 118.
Land of Jesse, in Geography, 1183.
Langres, City, Bishop, 1694.
Languedoc, Province, Description thereof, 1101.
Lanigerous Trees, in Botany, what, 364.
Lanner, in Falconry, 999.
Lanternists, Academy of, 4.
Laonais, Territory, 1094.
Laoria, City, in Geography, 1139.
Lapis infernalis, in Chymistry, Preparation thereof, 630. Its Virtues, *ibid.*
Lapony, Swedish, 1121.
Larilla, in Geography, 1139.
Larynx, in Anatomy, 79. Its Magnitude, Situation, Composition, Uses, *ibid.*
Latin Church Books, 328.
Latitude of the Sun, or of a Star, in Astronomy, how found, 290.
Latitude in Geography, how found, 1082.
La Valette, City, Capital, 1137.
Lavatherus, Historian, 451. His Asperion on Dr. d'Espence, and his Collegues, *ibid.*
Laurangais, Territory, 1101.
Lawrence, a celebrated English Gardener, 18.
Law, in Ethics, 935, natural, positive, 936.
Layne, James, General of the Jesuits, his Speech to the Queen of France, at the Colloqui of Poissy, *ibid.* Not heard favourably by the Queen, *ibid.*
Lead, in Building, 392.
Lead, in Chymistry, 633. History thereof, 634.
League, in Geography, 1089. Common of France, Common Spanish, Swedish, of Switzerland, *ibid.*
Leaotoung, Province, in Geography, 1153.
Leath, in Falconry, 991.
Leaves, in Botany, 359.
Ledger, in Book-keeping, 337.
Leeuwenhoek, Mr. Anatomist, 69. Discovers first Animalcules in the Seed of Man, *ibid.* Refutation thereof by *Urbuyen*, *ibid.*
Leg, in Anatomy, 53. Description and Division thereof, 53, 54.
Legion, in the Roman Armies, what, 239. The Number of Soldiers it consisted of under the Consuls, *ibid.* In the Time of Marius, *ibid.* Under Augustus, *ibid.*
Leibnitz, Mr. Author of the differential Calculus, 351.
Leicester, County, 1126.
Lemma, in Geometry, 1186.
Lemuralia, Feast of the Romans, Solemnity thereof, 995.
Lemures, among the Romans, *ibid.* Signification thereof, 996.
Lenox, Province, in Geography, 1127.
Leo I. called the Great, Emperor of Constantinople, 533. forgives the Treason of his Brother-in-law, *ibid.* A Rain of Ashes at Constantinople, *ibid.*
Leo III. called Haurus, Emperor of Constantinople, his History, 535.
Leo IV. Emperor of Constantinople, his History, 536.
Leo V. called the Armenian, Emperor of Constantinople, *ibid.* Orders that his Son be castrated, *ibid.* Killed in his Chapel, *ibid.*
Leo, in Astronomy, Number of the Stars it contains, 281.
Leo I. called the great, Pope, 579. His Epistle to Flavian, 979, 980, 981.
Leo II. Pope, in Chronology, his History.
Leo III. Pope, in Chronology, crown'd Charlemagne, King of France, Emperor of the West, *ibid.*
Leo IV. Pope, in Chronology, writes to the Bishops of England, 580.
Leo V. Pope, in Chronology, 581.
Leo IX. Pope, in Chronology, 572.
Leo X. Pope, in Chronology, condemned the Doctrine of Luther, 585.
Leo XI. Pope, in Chronology, his History, *ibid.*
Leon, Kingdom, in Geography, 1130.
Leonicanus, Dr. 77.
Leopold, Archduke of Austria, Emperor of Germany, his History, 540.
Leovitius, Astronomer, 268.
Lepante, Gulph, in Geography, 1137.
Lescure, De, Bishop of Lucon, in France, 411.
Letter of Alexander, Patriarch of Alexandria, occasioned by the Heresy of Arius, 179. Of Constantine the Great, Emperor, on the same Occasion, 187. Of the same Prince to the Bishops, and to the People on the same Occasion, *ibid.* To the Bishops assembled at Tyr, 191.
Letter of Credit, in Commerce, 780. general and special Form thereof, *ibid.*
Letters in Algebra, 29. represent each separately, either Lines or Numbers, *ibid.*
Levatores ani, in Anatomy, 59. Their Process, and Insertion, *ibid.*
Leucanthemum, Deasies, in Botany, 378.
Leucophaem, in Gilding, what, 1199.
Levigata, to, in Chymistry, 623.
Leyden, City, University, 1113.
Leytoure, City, Bishop, 1110.
Liamon, River, in Europe, 1136.
Libation, among the Romans, 997. In Use under the Law of Moses, *ibid.*
Libella, Roman Coin, 740.
Liber Liturgiarum, Greek-Church Book, 328.
Liber Pacis, Greek-Church Book, *ibid.*
Liberalia, Feast of the Romans, 994.
Liberality, in Ethics, 949.
Liberius, Pope, condemns St. Athanasius, 576.
Liberty, in Ethics, 932. Of Election, 933.
Libra, in Astronomy, 281. Number of the Stars it contains, *ibid.*
Libraries, what, 551. the most celebrated in the World, *ibid.*
Liege, Principality, Bishoprick, Description thereof, 1113.
Ligamentum Ciliare, in Anatomy, Its Process, 86.
Ligaments, in Anatomy, their Substance, Figure, Use, 45, 46.
Lieutenant, in Army, 224.
Lieutenant General, 226.
Light-Horse, in the English, and French Armies, 223.
Ligustrum, privet, in Botany, Description thereof; its Virtues, 378.
Lilium minerale, in Chymistry, 646. Preparation thereof, its Virtues, Remarks thereupon, *ibid.*
Limbourg, Dutchy, in Geography, Description thereof, 1113.
Lime, in Building, 390. The best, according to Palladio and Dieussant, *ibid.* How made, the best Method according to Bockler, 391. How slaken, 393.
Lime, in Chymistry, History thereof, 657.
Lime-Twigs for Fowling, how prepared and disposed, 1038.
Limerick, Province, in Geography, 1129.
Limoges, City, Bishop, 1100.
Limofin, Province, in Geography, Description thereof, 1099.
Linaria, wild Flax, in Botany, Description thereof. Its Virtues, 378.
Lincoln, County, 1126.
Linea alba, in Anatomy, its Texture, Process, Uses, &c. 57.
Line, in Geometry, right, curve, 1187.
Line of Battle, in Army, how drawn, right and left, motion of the right, 232.
Line, in Fortification, how conducted, 1013. of Defence, 1020.
Line, in Dialling, horizontal, 867. substylar, 868, meridian, 169.
Lingotierre, in Chymistry, 625.
Linnet, in Fowling, History thereof, 1047.
Linus, Pope, in Chronology, 573.
Lion, City, Archbishop, 1099.
Lionnois, Province, in Geography, Description thereof, 1098.
Lips, in Anatomy, their Texture, Beauty, &c. 823.
Liquid Confects, Plumbs, Cherries, 824. Raspberries, Walnuts, Apricocks, green and ripe, Peaches, Quinces, Verjuice, Mulberries, *ibid.*
Liquid Laudanum, in Chymistry, Preparation thereof, its Virtues, 686.
Liquor of Flints, in Chymistry, Preparation thereof, its Virtues, 653.
Lisbon, City, Patriarch, 1130.
Lisfalt, Province, in Geography, 1127.
Lisieux, City, Bishop, 1094.
Lithuania, Dutchy, in Geography, Description and Division thereof, 1118.
Little Tartars, their Character, 1142.
Little Tartary, Country, Description thereof, 1143.
Littre, Mr. Anatomist, His Observations on the Eggs of Women, 70.
Liturgy of St. Basile, 328. Of the Presanctified, Of St. James, *ibid.*
Liver, in Anatomy, Its Situation, Figure, Ligaments, Texture, Motion, 60. Its Uses, 61.
Liver of Antimony, in Chymistry, Preparation thereof, 627. Its Virtues, *ibid.*
Livony, Province, in Geography, 1121. Description thereof, 1122.
Loango, Kingdom in Africa, Description thereof, 1166.
Loborada, Country, in Geography, 1179.
Local Extension, in Geometry, 1187.
Lochabat, Province, 1127.
Lodgment, in Fortification, 1025. Method of making it, How made by gaining Ground without open Force, *ibid.*
Lombards, in Chronology, their History, 551.
Lombardy, Kingdom, Description and Division thereof, 1133.
Lombes, City, Bishop, 1100.
Lomeir, John, his Sentiment on the Lustration of the Romans, 998.
London, City, Capital, Bishop, 1125.
London, Mr. a celebrated English Gardener, 21.
Longford, Province, in Geography, 1129.
Longimetry, what? in Geometry, Rules thereof, 1166.
Longitude, in Astronomy, of the Sun from the first Star of Aries, 283, 284.
Longitude of the ascending Node of Venus from the first Star of Aries, 285.
Longitude, in Geography, the Method, of marking,

- marking and observing it; the first, where fixed by the several Nations of the World, 1083.
- Loppia*, Province, in Geography, 1120.
- Lorrain*, Dutchy, in Geography, 1103. Description thereof, 1104.
- Los Carchos*, Province, 1173.
- Los Opeixos*, Province, 1173.
- Lothaire*, King of France, in Chronology, poisoned by his own Wife, 548.
- Love, in Ethicks, 936. Of Desire, of Fruition, of Complaisance, &c. *ibid.*
- Louis*, called the Gentle, King of France and Emperor, his History, 547.
- Louis II.* called *Le Begue*, or the Stutterer, King of France, poison'd by his Physician, *ibid.*
- Louis III.* King of France, his History, 548.
- Louis IV.* King of France, his History, *ibid.*
- Louis V.* called the Feneant, King of France, poison'd by his own Wife, *ibid.*
- Louis VI.* called *Le Gros*, King of France, his History, 549.
- Louis VII.* called the Younger, King of France, his History, *ibid.*
- Louis VIII.* called the Lion, King of France, died of Poison, *ibid.*
- Louis IX.* or *St. Louis*, King of France, goes to the Conquest of the holy Land; obliges Henry King of England, his Sons, and Brothers to renounce for ever the Sovereignty of Normandy, died of the Plague at Tunis, 549, 550.
- Louis X.* Hutin, King of France, died of Poison, 550.
- Louis XI.* King of France, his History, 551.
- Louis XII.* called the Father of his People, King of France, his History, *ibid.*
- Louis XIII.* called the Just, King of France, his History, 552.
- Louis XIV.* called the Great, King of France, his History, 553.
- Louis XV.* King of France, Part of his History, *ibid.*
- Louis I.* King of Hungary, his History, 566.
- Louis II.* King of Hungary, drowned in a March after a Defeat, 567.
- Louis*, called the Younger, King of Bohemia, his History, 570.
- Louis I.* of France, Duke of Anjou, and King of Naples, his History, 571.
- Louis II.* of France, Duke of Anjou, and King of Naples, his History, *ibid.*
- Louis III.* King of Naples, *ibid.*
- Louis XII.* King of France and Naples, *ibid.*
- Louis Dor*, French Coin, 451.
- Louth*, Province, in Geography, 1128.
- Louvain*, City, Universe, 1113.
- Low Countries*, Provinces, 1112. Description thereof, 1113.
- Lower*, Anatomist, wrote on the Motion of the Heart, 105.
- Lower Planets, in Astronomy, their Number, 282.
- Lucan*, a Poet, 329.
- Lucanaria*, Province, in Geography, 1120.
- Lucas Pacciolus*, wrote first on Algebra in this Part of the World, 39.
- Lucayos*, Islands, in Geography, Description thereof, 1182.
- Lucern*, Canton, in Geography, Description thereof, 1116.
- Lucon*, Island, in Geography, 1156.
- Lucky and unlucky Days, in Astrology, a Fable, 246.
- Lucifer*, in Angels, 106.
- Luitbert*, King of the Lombards, in Chronology, his History, 556.
- Luitprand*, King of the Lombards, in Chronology, *ibid.*
- Lutalappmark*, Province, in Geography, 1122.
- Lumbares, Arteries, in Anatomy, 63.
- Lumbares, Veins, in Anatomy, 64.
- Lumbricales, Muscles, in Anatomy, their Process, Insertion, Texture, &c. *ibid.*
- Lunar Month, in Calendar, Synodical, Periodical, or Illuminative, 417. How used by the Romans and by the Turks, 418.
- Lunar Year, in Calendar, what?
- Lunation, in Calendar, *ibid.*
- Lunebourg*, Dutchy, in Geography, 1111. Description thereof, *ibid.*
- Lungs, in Anatomy, their Situation, 77. Division into two Lobes, Substance, Vessels, *ibid.* Their Use, 78.
- Lupercalia, Feast of the Romans, whence their Name, 993.
- Luperci, Divided into three Classes, 993.
- Suctonius's Opinion thereupon, 994.
- Lupulus, in Botany, Description thereof, 378. Its Virtues, *ibid.*
- Lupus, Constellation, in Astronomy, the Number of Stars it contains, 282.
- Lure*, de la, Astronomer, his Sentiment on the Roundness of the Earth, 263.
- Lusignan*, Town, in Geography, 1097.
- Lustration, among the Romans, how performed, 998. Fictions of the Poets thereupon, *ibid.*
- Lutes, in Chymistry, different Sorts thereof, 625.
- Luther*, Martin, his Sentiments on Salvation, 432.
- Luxation, or Dislocation, in Chirurgery, violent or gentle, perfect or compleat, imperfect or partial, 476. Cure of a simple Luxation, *ibid.*
- Luxation of the Thigh, with the Hip, seldom or never reduced, *ibid.* Reduction thereof; easier in Children than in aged Persons. What's to be done, when attended with Inflammation; what with an cedematous Tumour. *ibid.*
- Luxation of the Wrist, may happen in two Manners, *ibid.*
- Luxation of the Leg, may be luxated in four Manners, Signs of each, 477.
- Luxation of the Foot, may be luxated in four Manners, that made outwards the less common, *ibid.*
- Luxation of the small Bones of the Wrist and Foot; Signs thereof, *ibid.*
- Luxation of the Jaw-bone, compleat, or incomplete, Signs of both; how reduced, how dressed, 477. Accidents which accompany Luxations; how remedied, 478.
- Luxembourg*, Dutchy, in Geography, Description thereof, 1113.
- Ly, Itinerary Measure, in Geography, 1089.
- Lycurgus*, Legislator of the Lacedæmonians, allowed Theft of Food only, 937.
- Lycus*, River in Asia, 1146.
- Lymphatick Ducts of the Penis, their Situation, 66.
- Lymphatick Vessels, in Anatomy, discovered by Bartholin, their Use, 60. Process of those of the Liver, 61. Those of the Spleen 62. Of the Mediastinum, 72.
- Lymphæ Ductus, of the Heart, their Situation, 73.
- Lyfmachus*, King of Macedon, in Chronology, his History, 518.
- M
- M**ACAO, City, capit. 1155.
- Macbeth*, King of Scotland, his History, 554.
- Macedonia*, Province, Description thereof, 1178.
- Mackerau*, Province, 1148.
- Madagascar*, Island, in Geography, Description thereof, 1169, 1170.
- Madder, in Dying, 880.
- Madeira*, Island, in Geography, Description thereof, 1171.
- Madrier, in Fortification, 1014. Description thereof, 1029.
- Madure*, Principality, 1151.
- Magdeburg*, Dutchy, in Geography, 1111.
- Magellan*, Ferdinand, failed round the Globe, 263.
- Magellanick Land*, in Geography, Description thereof, 1144.
- Magistery, in Chymistry, 623. Of Saturn; its Virtues, 635. Of Jupiter; its Virtues, 632. Of Antimony; its Virtues, 644.
- Magnificency, in Ethicks, 949.
- Magnitude of the Earth, in Astronomy, variously determined by various Authors, ancient and modern, 264. Method observed by Norwood, Picard, Cassini, &c. *ibid.* By Whiston, *ibid.*
- Magnitude of the Earth, in Geography, as determined by Sir Isaac Newton, 1074.
- Magnitude of the Sun, in Astronomy, how found, 272. Of the Moon, 273. Of Mercury, 282. Of Venus, 284. Of Mars, 285, 286. Of Jupiter, 286. Of Saturn, 287.
- Magnitude, in Geometry, 1187.
- Magnus*, the Norwingian, King of Denmark, 561.
- Magnus I.* King of Norway, his History, 563.
- Magnus II.* King of Norway, his History, *ibid.*
- Magnus III.* King of Norway, his History, *ibid.*
- Magnus IV.* King of Norway, *ibid.*
- Magnus V.* King of Norway, deposed, 564.
- Magnus VI.* King of Norway, *ibid.*
- Magnus I.* King of Sweden, 587.
- Magnus II.* King of Sweden, *ibid.*
- Mahomet*, the Impollor, in Chronology, his History, 535.
- Mahomet I.* Emperor of the Turks, his History, 588.
- Mahomet II.* Emperor of the Turks, destroys the Empire of the East, by taking Constantinople, 588. Expelled from Albania by Scanderbeg; his Death, 589.
- Mahomet III.* Emperor of the Turks, sacrifices his own Mother to the Fury of the Janizaries and Spahis, 589. Dies of the Plague, *ibid.*
- Mahomet IV.* Emperor of the Turks, takes the Island of Tenedos, and Candia; deposes Ragotski, Prince of Transilvania; and is deposed in his Turn, 590.
- Mahomet V.* Emperor of the Turks, 591.
- Maimbourg*, Father, Historian, 445.
- Main Battle, in Army, 230.
- Main Guard, in an Army, how placed, when the Country is inclosed, 229.
- Mainfray*, King of Naples, 570.
- Major of Infantry, in Army, 226. His Qualities, Duties, &c. *ibid.* His Adjutant, *ibid.*
- Major General, in Army, his Qualities, Rank, Duties, &c. 226.
- Majorca*, Island, in Europe, Description thereof, 1130.
- Majorian*, Emperor of Constantinople, killed at Tortosa by Racimer's Orders, 532.
- Mairs du Palais, in France, what? 545.
- Malabar*, Principality in Asia, 1151.
- Maladies of Plants in Botany, their Cure, 384.
- Malaguette*, Kingdom, in Geography, 1164.
- Malebranche*, Father, a celebrated French Philosopher, 112. His Sentiment of the human Will, *ibid.*
- Malcolm I.* King of Scotland, his History, 554.
- Malcolm II.* King of Scotland, his History, *ibid.*
- Malcolm III.* King of Scotland, his History, *ib.*
- Malcolm V.* King of Scotland, his History, *ibid.*
- Maldivæ*, Islands, in Asia, 1158.
- Malduin*, King of Scotland, 553.
- Male*, Island, in Geography, Description thereof, 1158.
- Malimba*, Kingdom, in Geography, 1165.
- Malignant Tumours, in Chirurgery, 467.
- Malines*, Lordship, in Geography, 1112.
- Malleol, in Anatomy, 54.
- Malpighi*, Naturalist, and Anatomist, his Sentiments on the Notions of the nutritious Juice of Plants, 361.
- Malt, in Brewing, 387.
- Malt Liquors, in Brewing, 388.
- Malta*, Island, in Geography, 1136, History and Description thereof, 1136, 1137.
- Malwa*, Kingdom, in Asia, 1150.
- Manyas*, King of Assyria, in Chronology, 505.
- Manytus*, King of Assyria, *ibid.*
- Man*, Island in Europe, 1125.
- Manabam*, King of Israel, in Chronology, 508.
- Manasses*, King of Judah, in Chronology, 509. his History, 510.
- Mancalcus*, King of Assyria, 505.
- Manca, Old English Coin, 740.
- Mandibles, or Jaws, in Anatomy, 48.
- Manch, in the Jewish Coin, 739.
- Manfeloata, Calliwick, in Geography, 1160.
- Manilla*, City, Capital, 1156.
- Manille, at Ombre, in Gaming, 1059.
- Manna, in Chymistry, History, 685. Preparation, Choice, and Distillation thereof, 686.
- Manner of Trials in the Ecclesiastical Courts in England, 725.
- Manning, in Falconry, 991.
- Manoufia, Calliwick, 1160.
- Mans, City, Bishop, 1096.
- Manfoura, Calliwick, in Geography, 1160.
- Mantelets, in Fortification, their Form and Dimensions, different Sorts thereof, 1025.
- Mantling, in Falconry, 991.
- Mantua*, City, Bishoprick, 1134.
- Mantuan*, Dutchy, Description thereof, *ibid.*
- Manure, in Agriculture, Different Kinds of Manure in England, Dr. Jackson, Beal, and Lister's Sentiment thereupon, and that of Glauber, 7.
- Manuring, in Agriculture, what? 6.
- Maragnan, Capitanate, 1175.
- Marble, in Building, ancient, modern, Parian, Italian, Spanish, French, English, rigid, 390.
- Marche*, Province, in Geography, higher and lower, 1098.
- March of an Army, 229, 230.
- March to raise a Siege, 235.
- March to ravage the Enemy's Country, 236.
- March to force a Pass, *ibid.*
- March to guard a Pass, *ibid.*
- March to possess an advantageous Post, 237.
- March to make the Junction of two Armies, 238.
- March to relieve a Town, *ibid.*
- March to surprize the Enemy, *ibid.*
- March to burn a Bridge, *ibid.*
- Marcian*, Emperor of Constantinople, his History, 533.
- Marellubb*, Danish Coin, 752.
- Marcus Aurelius*, called the Philosopher, Roman Emperor, 526. vanquished the Parthians

INDEX to the FIRST VOLUME.

- thians, and Marcomans, 527. Died of a voluntary Abstinence, 528.
- Marcus Aurelius Carus, Roman Emperor, killed by Thunder, 529.
- Margarita, Island, in Geography, Description thereof, 1182.
- Marguerite, Queen of Sweden, her History, 587.
- Marguerite of Valois, Queen of Navarre, turns Lutheran; endeavours to gain her Brother Francis I. to that Party, 434. Dyed in the Roman Catholick Church, 436.
- Markers, at Trick-Track, 1068.
- Marianus, Scot, his Romance of Pope Joan, 580.
- Marle, in Agriculture, 6.
- Marmelade, in Confectionery, how made, 827.
- Maronites, their Clergy, 726.
- Marot, Clement, the best French Poet of his Time, makes a burlesque Translation of the Psalms, 840. Whipped publicly at Geneva; died in Piedmont, *ibid.*
- Marpurg, City, 1108.
- Marres, Province, 1127.
- Mars, in Astronomy, its mean Distance from the Sun; several Spots in its Hemispheres; its Phases, and Light, 286.
- Mars, in Chymistry, eleven Preparations thereof, 637. Its Virtues, *ibid.*
- Marfeilles, City, Bishoprick, 1103.
- Marshal of St. Andre, in Calvinism, 447. Gains the King of Navarre to his Party, 452.
- Marshal of France, in Army, their first Origin, Employment, Rank, and Number, 226. More numerous, and greater at present, *ib.*
- Marshal de Camp, in Army, *ibid.*
- Martha Matheveina, Czarina of Muscovy, her History, 563.
- Martial, a Poet, 329.
- Martinico, Island, in Geography, History and Description thereof, 1181.
- Mary of Lorrain, Queen of Scotland, marches in Person against the Rebels, and force them to a Treaty, 446.
- Mary Stuart, Queen of France and Scotland, married to Francis, Dauphin of France, 446. Hurried out of France by Catherine of Medicis, 447. Perfidiously beheaded, *ibid.*
- Mary, Queen of England, her History, 559.
- Martaban, Kingdom, in Asia, 1152.
- Martin I. King of Arragon, 569.
- Mascharenas, Kingdom, 1171.
- Mash-fat, in Brewery, 387.
- Maso finiguera, invented the Art of Engraving on Wood, 919.
- Mas, in the Latin Church, 974.
- Masse, at Basset, 1067.
- Massepain, in Confectionery, common, curled of Oranges; how made, 825.
- Mastoides process. in Anatomy, 91.
- Matachias, Nation in America, 1178.
- Mataidores, at Ombre, 1059.
- Mataran, City, capit. 1157.
- Materials, in Building, 390.
- Mathion, a Geographer, invented a Line to determine by Inspection the longest Day of all the Countries of the World, 1082. Description thereof, *ibid.*
- Matthias I. Emperor of Germany, 541.
- Matthias Corvinus, King of Hungary, his History, 567.
- Matrals, in Chymistry, 625.
- Matrices, in Letter-founding, 1033.
- Matrix, or Uterus, in Anatomy, Its Figure, Substance, Situation, Uses, &c. 67.
- Mattathias, in Chronology, his History, 513.
- Mauclerc, Architect, 168.
- Maugrat, King of Leon, 557.
- Mauritius, Emperor of Constantinople, his unhappy Catastrophe, 535.
- Mausoleuma, in Antiquities, 142.
- Maxillary Glands, in Anatomy, their Situation, Uses, 91.
- Maximian, Roman Emperor, 530, associated to the Empire by Dioclesian, abdicated, *ibid.*
- Maximilian I. Emperor of Germany, 541.
- Maximilian II. Emperor of Germany, *ibid.*
- Maximum, in Algebra, Method thereof, 37.
- Maximus, Roman Emperor, usurped the Empire by a Parricide, 531. Stoned to Death by the Romans, 532.
- Mayne, Province, in Geography, Description thereof, 1096.
- Mayo, Province, in Geography, 1129.
- Mayow, Mr. an English Anatomist, 78. his Sentiment on the Use of Respiration, *ibid.*
- Maxovia, Province, 1119.
- Mead, Dr. a celebrated English Physician, his Sentiment of the Poison of the Tarentula, 124.
- Mean Motion of the Sun, in Astronomy, in the Meridian of Greenwich, according to Newton, 202.
- Mean Motion of the Moon, Equation thereof, 293.
- Measure, in Commerce, 765. Attick, dry, and liquid, *ibid.* Jewish, dry, and liquid, 766. Roman, dry, and liquid, *ibid.* English, long, dry, and liquid, 766, 767. French, long, dry, and liquid, 767, 768. Spanish, dry, and liquid, 768. Portuguese, dry, and liquid, *ibid.* Italian, Dutch, Muscovite, Swedish, Polish, Prussian, *ibid.* German, Turkish, Eastern, 769.
- Measure of Wood for firing, *ibid.*
- Measure of Horses, *ibid.*
- Measure, in Geometry, Grecian, Roman, English, French, Rhineland, 1197.
- Meatus Hepaticus, in Anatomy, 60.
- Meaux, City, Bishop, 1094.
- Mecca, City, capit. in Geography, 1147.
- Mechanique du Feu, or the Art of augmenting the Effects, and diminishing the Expence of Fire, 398.
- Mechoacan, Province, 1177.
- Mecklembourg, Dutchy, in Geography, Description thereof, 1111.
- Medal, in Antiquities, two Sides thereof; their Legends, 144. Antient, Greek, Roman, Consular, Imperial, Gothick, Samaritan, Mutilated, Spurious, *ibid.* Modern, 146. Method of knowing them, *ibid.*
- Medallions, in Antiquities, 146, 147.
- Mediastinum, in Anatomy, 72.
- Medicamentous Stone, in Chymistry, Preparation thereof, 664. Its Virtues, *ibid.*
- Medicis, Catherine of, Queen Mother of France, in Calvinism, 442. Hurries Mary Stuart out of the Kingdom; appears to favour Calvinism, 447. Agrees to the Colloquy of Poissy, 448. Assists publicly at it, 449. Shocked at Beza's Expressions on the Doctrine of the Eucharist, 450. Her secret Intrigues discover'd by the Prince of Conde, 453. Deserts entirely the Calvinists, 454.
- Medina, City, in Geography, 1147.
- Medra, Kingdom in Africa, 1166.
- Medulla oblongata, in Anatomy, 84. Its Situation, Substance, Division, Uses, &c. *ibid.*
- Medulla spinalis, in Anatomy, 84. Its Substance, Origin, Coats, Uses, *ibid.*
- Meetings of the Academy of the Sciences at Paris, 2.
- Melinde, Kingdom, 1168.
- Melilot, in Botany, 378.
- Melli, Kingdom, in Africa, 1163.
- Mellingen, Bailiwick, in Geography, 1116.
- Membranes of the Eye, in Anatomy, 86.
- Memory, in Anatomy, 113. Dr. Hook, Des Cartes, Malbranche, Coetlogon's Hypothesis thereof, *ibid.* Seneca's, 114.
- Mende, City, Bishoprick, 1101.
- Menstruum, in Chymistry, 623.
- Mensuration of a Pyramid, in Arithmetick, 220.
- Mensuration of a Globe, *ibid.*
- Mentz, Electorate, in Geography, Description thereof, 1114.
- Merchant, in Commerce, his Qualities, Duties, &c. 755, 756.
- Mercury, in Astronomy, his Magnitude, 282. Distance from the Sun, 282, 283. Revolution, Change of its Phases, Inclination of the Plane of its Orbit to the Ecliptick, diurnal Motion, *ibid.* Conjunction with the Sun, 283, 284.
- Mercury, in Chymistry, History thereof, 639, 640.
- Mercurial Panacea, in Chymistry, Preparation thereof, 642. Its Virtues, *ibid.*
- Mercurius dulcis, in Chymistry, Preparation thereof, 641. Its Virtues, *ibid.*
- Meridian, in Astronomy, why thus called, 256. Its Use, *ibid.*
- Meridian Line, in Dialling, 869.
- Meridian, in Geography, Uses thereof, 1078. First Meridian not yet determined, *ibid.*
- Merioneth, County, in Geography, 1126.
- Merlin, in Falconry, 990.
- Mernis, Province, in Geography, 1127.
- Merovee, King of France, whence the Merovingians, 544.
- Mery, M. French Anatomist, his Discovery therein, 76.
- Mesentery, in Anatomy, its Situation, Texture, Uses, 59. Vessels and Ducts thereof, 60.
- Mesenterick Arteries, in Anatomy, 63.
- Messow, what? 1178.
- Mester-de-Camp, in the French Army, his Rank, Duties, &c. 229.
- Metacarpus, in Anatomy, its Situation, Texture, Articulation, 53.
- Metals, in Chymistry, their Difference from Minerals, their Number, 628. Called by the Names of the Planets, *ibid.*
- Metatarfius, in Anatomy, its Situation, Texture, Figure of its Bones, 55.
- Metelin, Island, in Geography, Description thereof, 1145.
- Metibuslah, in Chronology, 501.
- Metope, in Architecture, 168.
- Metoposcopy, in Astrology, 253.
- Metropolitans, in the Christian Church, 705.
- Metz, City, Bishop, 1103.
- Mevat, Kingdom, in Asia, 1150.
- Mew, in Falconry, 991.
- Mexico, Kingdom, Description thereof, 1176, 1177.
- Mexicans, their Character, *ibid.*
- Mezzal. Province, in Geography, 1162.
- Michael Koribu Weisnowiski, King of Poland, 565.
- Michael, Curopalates, Emperor of Constantinople, quits the Empire to Leo the Armenian, and retires into a Monastery, 536.
- Michael II. called the Stutterer, Emperor of Constantinople, his History, *ibid.*
- Michael III. called the Drinker, Emperor of Constantinople, killed by Bazile his Successor, *ibid.*
- Michael IV. called the Paphlagonian, Emperor of Constantinople, his History, *ibid.*
- Michael V. called Celaphantes, Emperor of Constantinople, had his Eyes put out, *ibid.*
- Michael VI. called Stratonicus, Emperor of Constantinople, his History, 537.
- Michael VII. called Parapinaces, Emperor of Constantinople, his History, *ibid.*
- Michael Federowitz, Great Duke of Muscovy, 563.
- Middlesex, County, in Geography, 1125.
- Milan, City, Bishop, capit. 1134.
- Milanese, Dutchy, Description thereof, *ibid.*
- Mile, itinerary Measure, in Geography, 1081.
- Military Ways of the Romans, 143.
- Milk, in Anatomy, 72. Three Parts thereof; its Preparation; Fermentation in the Breasts, *ibid.*
- Milk-Teeth, in Anatomy, 49.
- Mill, or Press, in Coining, 737.
- Millefolium, Yarrow, in Botany, Description thereof, 378. Its Virtues, *ibid.*
- Mindanao, Island, 1156.
- Mine, in Fortification, Method thereof, 1025. Royal, Serpentine, Forked, Counter, 1026.
- Minerals, in Chymistry, 627. Formation of Minerals; Des Cartes, Tournefort, Lemery, De Coetlogon's Sentiment thereupon. — Difference between Minerals and Metals, *ibid.*
- Minimum, in Algebra, Doctrine thereof, 37.
- Minio, Calliwick, in Geography, 1160.
- Minor Orders, in the Clergy, four in Number; Rise thereof according to the Abbot Fleury, *ibid.*
- Miscissas I. King of Poland, 564.
- Miscissas II. King of Poland, *ibid.*
- Misistra, City, in Geography, 1139.
- Misfal, a Latin Church Book, 328.
- Mittens, King of Assyria, in Chronology, 505.
- Mixts, in Chymistry, Composition thereof, 616. Different Sentiments thereupon, 617.
- Moal, Province, in Geography, 1154.
- Modena, City, Bishop, 1135.
- Modenese, Dutchy, Description thereof, *ibid.*
- Modestinus, a Lawyer, 330.
- Modin, City, 1139.
- Module, in Architecture, 167.
- Mogulistan, Province, in Geography, Description thereof, 1150.
- Moidore, a Portuguese Coin, 751.
- Moldavia, Province, Description thereof, 1142.
- Molise, County, 1132.
- Molucca, Isles, in Geography, Description thereof, 1156, 1157.
- Monaghan, Province, in Geography, 1129.
- Monbasse, Kingdom, 1168.
- Money of Account, in Commerce, 760. In Turkey, Persia, China, Japan, Mogulistan, *ibid.*
- Money of Account, throughout Malabar, Java, France, England, Spain, Italy, Poland, Switzerland, Holland, Sweden, Africa, 761.
- Mongalle, Kingdom, in Geography, 1168.
- Monks, in the Roman Clergy, 720. Their Origin, according to Father Heliot; the Difference between them and Friars, *ibid.*
- Monomurgi, Empire, Description thereof, 1167.
- Monomotapa, Empire, Description thereof, 1167.
- Monopetalous Flowers, in Botany, 666.
- Mons Veneris, in Anatomy, its Situation, Figure, Uses, &c. 68.
- Montaner, Astronomer, his curious Observations on the Changes of the Stars, 268.
- Montanus, Orator, 329.
- Montauban, City, Bishop, 1099.
- Montbrison, Town, 1098.
- Montich, Province, 1127.

I N D E X to the F I R S T V O L U M E.

- Montezuma*, King of Mexico, 1176.
Montferrat, Dutchy, Description thereof, 1134.
Montgomery, County, 1126.
Month-Book, in Book-keeping, 340.
Month, in Calendar, solar, periodical, synodical, 417. Lunar, astronomical, 418.
Montmorency, Ann, his Merit; loses the Battle of St. Laurens, and the Town of St. Quintin; is reconciled with the Duke of Guise, by the Marshal of St. Andre, 447. Whence the Confederacy, called afterwards the Triumvirate, 448.
Montmorency, Louisa of, a strong Calvinist, 442.
Monmouth, County, 1126.
Montpellier, City, Bishop, University, 1101.
Moon, in Astronomy, its Substance, Figure; has no Light of itself; its Atmosphere, 273. Is not inhabited, 274. Its Motion, Distance from the Nodes, *ibid.* Irregularities of its Apogæum, 275. Period of its Revolution, 275, 276. Its Eclipses, 279. Theory thereof, 279, 280, 281.
Moræa, Province, in Geography, Description thereof, 1139, 1140.
Moravia, Marquisate, Description and Division thereof, 1108, 1109.
Morlania, Province, Description thereof, 1117.
Morocco, Kingdom, Description thereof, 1161.
Morocco, City, capit. *ibid.*
Morotay, Island, 1157.
Mortar, in Building, different Sorts thereof, 393, 394.
Mortify, to, in Chymistry, 623.
Mortimer, a celebrated English Gardener, 18.
Moses, first Alchymist, 27. His History in Chronology, 503.
Motion of the Heart, in Anatomy, Theory thereof, *ibid.*
Motors Nerves of the Eye, in Anatomy, their Process, and Progress, 83.
Moveable Feasts, among Christians, 1001.
Movement, in Clock-making, 727.
Mould, in Foundry, for Statues, 1033.
Mould, for Bells, 1035.
Mould for Letters, 1033.
Mould, in Candle making, 457.
Moulins, City, Capital, 1099.
Mouth, in Anatomy, 89.
Mouvans, a French Calvinist, Rebel, 444.
Mozambick, Kingdom, Description thereof, 1168.
Mujac, Kingdom, in Africa, 1166.
Multan, Kingdom, in Asia, 1150.
Multiplication, in Algebra, of single, and compound Quantities, 31. Of Fractions, 32.
Multiplication, in Arithmetick, 199.
Multiplication Table, 200.
Multiplication of vulgar Fractions, 213.
Multiplication of Decimals, 215.
Munich, City, Capital, 1107.
Murcia, Kingdom, 1130.
Murray, Sir Robert, his Method of Brewing, 385.
Murray, Province, 1127.
Muscle, in Anatomy, its Form, Situation, Substance, Uses, 91.
Muscles of the Arm, their Process, Texture, Insertion, Office, 94.
Muscles of the Back, and Loins, their Number, Texture, Process, Insertion, Office, 99.
Muscles of the Carpus; their Number, Process, Texture, Insertion, Office, 96.
Muscles of the Fingers, their Number, Process, Texture, Insertion, Office, *ibid.*
Muscles of the Foot, their Number, Process, Texture, Insertion, Office, 101, 102.
Muscles of the Forehead, Occiput, Eye-lids, Nose, Ears, Lips, Tongue, Uvula, Larynx, Pharynx, Osyoides, Neck, Shoulder-blades, Shoulder-bones, 103.
Muscles of the Head; their Process, Texture, Insertion, Office, 93.
Muscles of the Leg; their Number, Process, Texture, Insertion, Office, 100.
Muscles of the Radius; their Number, Process, Texture, Insertion, Office, 95.
Muscles of the Thigh; their Number, Process, Insertion, Texture, Office, 100.
Muscles of the Thorax; their Number, Process, Texture, Insertion, Office, 98.
Muscles of the Ulna; their Number, Process, Texture, Insertion, Office, 95.
Muscovites, their Characters, 1120.
Muscovy, Province, 1119.
Muscovy, Empire, in Geography, Description thereof, 1120.
Muscular Arteries in Anatomy, 63.
Musgrave, Dr. an Englishman; his Sentiment on the Operation of the Bronchotomy, 490.
Musqueteers, in Army, 223.
Muster-muster, or Commissary-General, in Army; his Duties, 227.
Muting, in Falconry, 991.
Myology, in Anatomy, 91.
Myrrh, in Chymistry, History and Preparation thereof; its Virtues, 691.
- N.
- Nabonassar*, Egyptian Year, Division and Menfuration, 419.
Nabulaffarias, King of Babylon, 516.
Nachor, in Chronology, 502.
Nafte, Fic, or Longing, in Chirurgery, 466. Cure thereof, *ibid.*
Nadir, in Astronomy, 256.
Nadir, in Geography, 1075.
Nagafski, Kingdom, 1120.
Nails, in Anatomy, their Origin, Use, Substance; the Romans curious of them; how wore by the Chinese, 435.
Namur, County, 1113.
Namur, City, Bishop, *ibid.*
Nancy, City, capit. 1103.
Nanking, Province, 1153.
Nantz, City, Bishop, 1095.
Naples, Kingdom, in Geography, 1132. History, Description, and Division thereof, 1133.
Napolitans, their Character, 1132.
Narbonne, City, Archbishop, 1101.
Narwar, Kingdom, in Asia, 1150.
Nates, in Anatomy, 55.
Nativity, Feast of the Christians, 1001.
Natolia, Province, Description thereof, 1144, 1145.
Natural Astrology, 241. Goad's Opinion thereupon favoured by Mr. Boyle and Dr. Mead. Refuted by Rohault, and De Coetlogon, 241, 242.
Natural Right, in Ethicks, 936. Precepts thereof, 937. Hobbes's Opinion thereupon, 938.
Naval Armies, 240.
Navarre, Kingdom, 1130.
Nave of Churches, in Building, 406.
Navel, in Anatomy, what in a Fœtus, 57.
Naufrage, in Commerce, 819.
Naugranet, Kingdom, in Asia, 1150.
Nebuchadnezzar, in Chronology, takes Jerusalem by Composition; carries Zedekiah, King of Judah, Captive to Babylon, 514. Sends Nabuzardan, his General, to compleat the Ruin of Jerusalem, 515. Fancies himself an Ox, and as such grazes in the Fields during seven Years, 517.
Neck, of the Bones, in Anatomy, 44.
Neck, in Anatomy, its Origin, Length, fore Part, Division, Nerves, Muscles, Glands, 79. Uses, 80.
Negligence, in Ethicks, 948.
Negropont, Island, 939.
Negroes, their Character, 1103.
Nebemiah, in Chronology, his History, 572.
Neper's Bones, in Arithmetick, their Use, 222.
Neptunalia, Feast of the Romans, 994.
Nerica, Province, 1122.
Nero, Roman Emperor, his History, 524.
Nerva, Roman Emperor, his History, 526.
Nerves, in Anatomy, their Origin, Number; olfactory, optick, pathetick, Movers of the Eyes, fifth Pair, opthalmick, sixth Pair, intercostal, auditory, 83. Eighth, ninth, tenth Pair, 84. Duncan's Sentiment on their Origin, *ibid.*
Nets, in Fowling, 1041.
Neuchâstel, Prevosty, and County, 1113.
Newers, City, Bishop, 1096.
New-England, Province, 1178.
New-Castile, Province, 1129.
Newfoundland, Island, 1179.
Newhewen, Government, 1178.
New-Sweden, Province, 1179.
New-Wales, Province, South and North, *ibid.*
New-York, Province, *ibid.*
Newshaus, Government, in Hungary, 1114.
Newton, Sir Isaac, a celebrated English Astronomer, 265.
Nicephorus I. Emperor of Constantinople, had his Head cut off by the Bulgarians, 536.
Nicephorus, called Phocas, Emperor of Constantinople, his History, *ibid.*
Nicephorus Botaniates, Emperor of Constantinople, his History, 537.
Nicolas I. King of Denmark, his History, 561.
Nicolas, called the Great, Pope, his History, 580.
Nicolas II. Pope, his History, 582.
Nicolas III. Pope, his History, 583.
Nicolas IV. Pope, granted several Privileges to the Order of St. Francis, of which he had been a Friar, *ibid.*
Nicolas V. Pope, died of Sorrow, for the Loss of Constantinople, 584.
Nicuche, Province, 1154.
Nightingale, in Fowling, 1044.
Nigritia, Country, Description thereof, 1162, 1163.
Niland, Province, 1122.
Nimrod, King of Assyria, 505.
Ninus, King of Assyria, *ibid.*
Nippon, Island, Description thereof, 1155, 1156.
Nismes, City, Bishop, 1101.
Nivernois, Province, 1095.
Noah, in Chronology, his History, 502.
Noah's Ark, Dimensions thereof by Moses, 127. Justified by Origen, and St. Augustin; its Geometrical Demonstrations; of Burco, Snelius, Arbuthnot, Father Lamy. Division thereof by Moses; subdivision by Snellius, *ibid.*
Noble, old English Coin, 441.
Nodes, in Astronomy, ascending and descending, 274. Motion thereof, 275.
Nogent Le Rotrou, a Town, 1096.
Nones, in Calendar, 417.
Non-colouring Drugs, in Dying, 881.
Noort, Oliver, sailed round the World, 263.
Norfolk, County, 1126.
Normandy, Province, 1093.
Normans, their Character, *ibid.*
Northampton, County, 1126.
Northumberland, County, *ibid.*
Norway, Kingdom, Description thereof, 1123.
Norwegians, their Character, *ibid.*
Norwood, Astronomer, his Method of measuring the Earth, 264.
Nose, in Anatomy, Division thereof; Teguments, Muscles, Cartilages, Membrane, excretory Ducts, 88. Uses, Diseases, Figure, and Magnitude, 89. Short Noses in great Request in Tartary; Nose-mending, *ibid.*
Nostrils, in Anatomy, Description and Uses thereof, 88, 89.
Nottingham, County, 1126.
Nova Zembla, in Geography, 1183.
Novograd, Province, 1120.
Novograd-wel, Province, *ibid.*
Nubia, Kingdom, Description thereof, 1165.
Nubians, their Character, *ibid.*
Nueva Andalusia, Province, 1173.
Nueva Biscaya, Province, 1177.
Nueva Granada, Province, *ibid.*
Number, in Arithmetick, how conceived by Sir Isaac Newton; by Schoolmen; their Characters, 195.
Numeration of a Fraction, in Algebra, 32.
Numerian, in Chronology, his History, 530.
Nuns, in Clergy, 721.
Nuremberg, City, 1108.
Nursery, in Agriculture; for Standards, Dwarfs, Ever-greens, 18. Mess. Lawrence and Mortimer's Sentiment thereupon, *ibid.*
Nut, in Botany; Texture thereof, 367.
Nutmegs, in Chymistry; their History, 674.
Nutritious Juice, in Botany; its Circulation through the Plant, different Sentiments thereupon, 360. Those of Malpighi, and de Coetlogon, 361.
Nymphæ, in Anatomy, their Situation, Breadth, Use, Substance, 68.
Nymphæa Alba, Water-Lilly, in Botany; Description thereof, its Virtues, 368.
- O.
- Odora*, Province, 1120.
Obelisks, in Antiquities, 139. Difference between them and Pyramids. Kircher reckons 14 celebrated ones; their Antiquities, the first raised, *ibid.*
Observatory, in Astronomy, 288. Description of that at Greenwich. *ibid.* Of the most magnificent one of Paris, 289. Of that at Pekin in China, and of Tycho Brahe, *ibid.*
Ocean, in Geography, 1184. Division thereof, 1185.
Oder, River in Europe, 1110.
Odia, City, capit. in Geography, 1152.
Oeconomy, or Use of the Parts of Plants, in Botany, 359.
Oeconomy of Flowers, in Botany, 366.
Oedema, in Chirurgery, 464. Its general Cause, chief Sent, *ibid.* Dangers, Cure, 465.
Oedematous Tumours, in Chirurgery, *ibid.*
Oeland, Island in Europe, 1122.
Oesophagus, in Anatomy; its Situation, Figure, Office, 80.
Oeta, Mountain, in Geography, History thereof, 1138.
Oil, in Chymistry, 617.
Oil of Acorns, in Chymistry, 675. Preparation thereof, its Virtues, *ibid.*
Oil of Benzoin; Preparation thereof, its Virtues, 690.
Oil of Bricks; Preparation thereof, its Virtues, 653.

I N D E X to the FIRST VOLUME.

- Oil of Camphire, Preparation thereof, its Virtues, 654.
Oil of white Carabe, Preparation thereof, its Virtues, 667.
Oil of Cinnamon, Preparation thereof, its Virtues, 672.
Oil of Cloves, Preparation thereof, its Virtues, 674.
Oil, Corrosive of Arsenic; Preparation thereof, its Virtues, 650.
Oil of Guaiac; Preparation thereof, its Virtues, 671.
Oil of Gum-Ammoniack; Preparation thereof, its Virtues, 691.
Oil of human Cranium, Preparation thereof, its Virtues, 696.
Oil, essential of Juniper-berries, Preparation thereof, its Virtues, 675.
Oil of Mercury, Preparation thereof, its Virtues, 643.
Oil of Myrrh, per Deliquium, Preparation thereof, its virtues, *ibid.*
Oil of Saturn, Preparation thereof, its Virtues, 635.
Oil of Tartar, Preparation thereof, its Virtues, 683.
Oil of Tin, Preparation thereof, its Virtues, 632.
Oil of Tobacco, Preparation thereof, its Virtues, 689.
Oil of Turpentine, Preparation thereof, its Virtues, *ibid.*
Oil dulcified of Vitriol, Preparation thereof, its Virtues, 663.
Olaus, Naturalist, his Sentiment on the Transmigration of Birds, 119.
Olacranum, in Anatomy, 52.
Oleron, City, Bishop, 1100.
Olfactory Nerve, in Anatomy, 83.
Olympiades, in Calendar; their History, 425.
Olympick Games, when instituted, and how celebrated, 508.
Onias I. High Priest of the Jews, 512.
Onias II. High Priest of the Jews, *ibid.*
Onias III. High Pontif of the Jews, built a Temple in Egypt, where he had fled, *ibid.*
Operation of the Abscesses in Chirurgery, 497. how performed, *ibid.*
Operation of the Amputation of the Leg, how performed, Precautions taken therein, its Bandage, 495.
Operation of the Anurism, *ibid.*
Operation of the Bec de Lievre, Cautions used therein, its Apparatus and Bandage, 490.
Operation of Bleeding, Precautions to be taken therein, Accidents it is attended with, how remedied, its Bandage, 486, Effects thereof, 487.
Operation of Bronchotomy, how made, on what Account, Dangers thereof, Dr. Mufgrave's Sentiments thereon, 490.
Operation of the Bubonocoe, how performed, its Apparatus and Bandage, 492.
Operation of the Cancer, how performed, its Apparatus, *ibid.* Bandage, 491. Palliative Remedies for an occult one, 490.
Operation of the Castration, 492. how performed, on what Account, the Apparatus, and Bandage, 493.
Operation of the Cataract, two Kinds of Cataracts, 488. Different Manner of Operating, the Apparatus and Bandage, Remarks thereupon, 489.
Operation of Cupping, Cautions to be used therein, 485.
Operation of the Empyema, when to be attempted, how performed, the Apparatus and Bandage, 491.
Operation of the Exomphalus, when to be attempted, how performed, Apparatus and Bandage, 492.
Operation of the Fistula in Ano, when to be attempted, how performed, Apparatus and Bandage, Remarks thereupon, 494.
Operation of the Fistula, Lacrymalis, how performed, Cautions to be used therein, the Apparatus and Bandage, 488.
Operation of the Frenum of the Tongue, when to be attempted, Cautions to be used in operating, 496.
Operation of the Gastroraphy, when to be attempted, Cautions to be used therein, the Apparatus and Bandage, 492.
Operation of the Hernia, compleat, how performed, the Apparatus and Bandage, *ibid.*
Operation of the Hydrocephalus, when to be attempted, how performed, the Apparatus and Bandage, 488.
Operation of the Leaches, which Sort is to be chosen, how applied, in what Case, 486.
Operation of the Panaris, the Apparatus and Bandage, 496.
Operation of the Paracentesis, when to be attempted, how performed, the Apparatus and Bandage, 491.
Operation of the Paracentesis of the Scrotum, how performed, both on Infants and Adults, the Apparatus and Bandage, *ibid.*
Operation of the Paraphimosis, 496.
Operation of the Phymosis, *ibid.*
Operation of the Polypus, 490.
Operation of the Puncture of the Pirancum, when to be attempted, how performed, 494.
Operation of the Reduction of the Anus, 496. how performed, 497.
Operation of the Reduction of the Matrix, *ibid.*
Operation of the Seton, how perform'd, 485.
Operation of the Stone, called Lithotomy, when to be attempted, how performed by the little Apparatus in Women, 493. By the high Apparatus, by the lateral Incision invented by Frere Jacques, and followed by Mr. Cheselden, Seasons proper for it, 494.
Operation of the Suture of the Tendon, when to be attempted, how performed, the Apparatus and Bandage, 495.
Operation of the Trepan, how performed, both in Adults and Infants, 487, 488. Cautions to be used therein, the Apparatus and Bandage, *ibid.*
Ophyoglossum, Serpent's Tongue, in Botany, Description thereof, its Virtues, 378.
Opium, in Chymistry, Preparation thereof, 686.
Opilius Maximus, in Chronology, his History, 527.
Opposition, in Astrology, 244.
Ophthalmick Nerve, in Anatomy, its Process, Insertion, Office, 83.
Optick Glasses, in Glas-grinding, Concave, Convex, 1200.
Optick Nerves, in Anatomy, its Process, Insertion, Office, 83.
Orange, Principality, 1113.
Orchard, in Agriculture, 12.
Order, in Architecture, Tuscan, Origin and Mechanism, and History thereof, 168. Doric, Origin, Mechanism and History thereof, 170. Ionic, Origin, Mechanism and History thereof, 171, 172. Corinthian, Origin, Mechanism and History thereof, 173. Composite, Origin, Mechanism and History thereof, 174, 175.
Order of Battle, in Army, Mistakes committed in it, Remarks of Feuguere's thereupon, 232. For a Retreat, behind Lines, 234.
Orders, in the Clergy, 705.
Orders or Commissions, in Commerce, 805. History thereof, 806, 807.
Ordene I. King of Leon, vanquished the Cantabrians, 557.
Ordene II. King of Leon, his History, *ibid.*
Ordene III. King of Leon, his History, *ibid.*
Ordene IV. King of Leon, killed in a Battle near Cordua, *ibid.*
Organs of Generation, in Anatomy, 64.
Origen, sacred Writer, his Works, 1197.
Origin of moral Evil, in Ethics, Sentiment of the Manichæans, Pelagians, and Orthodox thereupon, 934.
Orillon, in Fortification, 1017.
Orion, in Astronomy, the Number of Stars it contains, 282.
Oryxa, Kingdom, in Asia, 1150.
Orkney, Isles, in Europe, 1128.
Orleans, City, Bishop, 1096.
Oruelo, Province, Description thereof, 1132.
Os Cuboides, in Anatomy, its Situation, Uses, 55.
Os Frontis, in Anatomy, Description thereof, its Use, 48.
Os Hyoides, in Anatomy, Description thereof, its Use, 49.
Os Ilium, in Anatomy, Description thereof, its Use, 51.
Os Ischium, in Anatomy, Description thereof, its Use, *ibid.*
Os Malæ, in Anatomy, Description thereof, its Use, 48.
Os Naviculare, in Anatomy, its Situation, Uses, 54.
Os Occipitis, in Anatomy, Description thereof, its Use, 47.
Os Orbiculare, in Anatomy, Description thereof, its use, *ibid.*
Os Petrosum, in Anatomy, Description thereof, its Uses, *ibid.*
Os Pubis, in Anatomy, Description thereof, its Use, 51.
Os Sacrum, in Anatomy, its Situation, Uses, 50.
Os Scaphoides, in Anatomy, its Situation, Uses, 55.
Os Sphenoides, in Anatomy, its Situation, Uses, 47.
Ossa Cuneiformia, in Anatomy, their Situation, Uses, 55.
Ossa Parietalia, in Anatomy, their Situation, Uses, 47.
Ossa Sefamoidea, in Anatomy, their Situation, Uses, 55.
OSTROLOGY, 43.
Ostrogothy, Province, Description thereof, 1122.
Otho, Roman Emperor, killed himself with a Poinard, 524.
Otho I. called the Great, Emperor of Germany, vanquished the Hungarians and Bohemians, 539.
Otho II. Emperor of Germany, died of Grief, *ibid.*
Otho III. Emperor of Germany, caused his Wife to be burnt alive; thought to have instituted the Electoral College, *ibid.*
Othocarus II. King of Bohemia, refused the Empire, died in a Battle, 569.
Othoniel, Judge of the Jews, in Chronology, 504.
Ovary, in Anatomy, Theory thereof, 70, 71.
Over-Iffel, Lordship, Description thereof, 1114.
Ovid, Poet, 329.
Oviparous Fishes, Division thereof, by Willoughby; Dr. Woodward's Observation thereupon, 117.

P.

Pacamaræ, Province, Description thereof, 1173.
Paces, itinerary Measures, in Geography, 1083.
Padua, City, University, 1133.
Paduan, Province, Description thereof, *ibid.*
Pagan, Count, an Engineer, 1020.
Paganalia, Feast of the Romans, Solemnity thereof, 994.
Pagodo, Indian Coin, 453.
Painting, in Enamel, Method thereof, 916, 917.
Palate, in Anatomy, its Situation, Substance, Texture, Uses, 90.
Palatinate of the Rhine, Electorate, 1114. History and Description thereof, 1115.
— of Cracow, in Poland, 1118.
— of Sandomir, in Poland, Description thereof, *ibid.*
— of Lublin, in Poland, Description thereof, *ibid.*
— of Mariembourg, in Poland, Description thereof, *ibid.*
— of Dantzick, in Poland, Description thereof, *ibid.*
— of Elbin, in Poland, Description thereof, *ibid.*
— of Culm, in Poland, Description thereof, *ibid.*
— of Prussia, in Poland, Description thereof, *ibid.*
— of Siradia, in Low Poland, Description thereof, *ibid.*
— of Lancissi, in Low Poland, Description thereof, *ibid.*
— of Kalish, in Low Poland, Description thereof, *ibid.*
— of Posna, in Low Poland, Description thereof, *ibid.*
— of Rava, in Low Poland, Description thereof, *ibid.*
— of Wladislaw, in Low Poland, Description thereof, *ibid.*
— of Brzesty, in Low Poland, Description thereof, *ibid.*
— of Plockzo, in Low Poland, Description thereof, *ibid.*
— of Darbin, in Low Poland, Description thereof, *ibid.*
— of Wilna, in Lithuania, Description thereof, *ibid.*
— of Troki, in Lithuania, Description thereof, *ibid.*
— of Novogrod, in Lithuania, Description thereof, *ibid.*
— of Minski, in Lithuania, Description thereof, *ibid.*
— of Zlucz, *ibid.*
— of Mscislaw, in Lithuania, Description thereof, *ibid.*
— of Witepsk, in Lithuania, Description thereof, *ibid.*
— of Polockz, in Lithuania, Description thereof, *ibid.*
— of Breslaw, in Lithuania, Description thereof, *ibid.*
— of Luruck, in High Volhinia, Description thereof, *ibid.*
— of Klan, in High Volhinia, Description thereof, *ibid.*
— of Kamincick, in High Podolia, Description thereof, *ibid.*
— of Blaklaw, in Low Podolia, Description thereof, *ibid.*
Palatinate

INDEX to the FIRST VOLUME.

- Palatinate of Lavow, in black Russia; Description thereof, 1119.
- Palatinate of Belz, in black Russia; Description thereof, 1119.
- Palatinate of Chelm, in black Russia; Description thereof, *ibid.*
- Palatinate of Czask, in black Russia; Description thereof, *ibid.*
- Palatinate of Bulk, in Palakia; Description thereof, *ibid.*
- Palatinate of Bressi, in Palakia; Description thereof, *ibid.*
- Palermo, City, Archbishop, 1135.
- Palestina, Province; Description thereof, 1136.
- Palilia, Feast of the Romans; Solemnity thereof, *ibid.*
- Pallade, in Fortification, 1016.
- Palladio, Architect, 168.
- Pallium, in Clergy, 711. History thereof, 712.
- Palm-Sunday, Feast of the Christians; Solemnity thereof, 1002.
- Palpebrae, or Eye-lids, in Anatomy; their Texture, Muscles, Uses, 85.
- Panama, Province; Description thereof, 1185.
- Panaris, in Chirurgery, Causes, Symptoms, and Cure thereof, 464.
- Pancreas, in Anatomy; its Substance, Situation, Breadth, Length, Thickness, 62.
- Pancreatick Duct, in Anatomy, discover'd by *Virtungus*; its Situation, Progress, Insertion, double, according to Dr. *Graff*, *ibid.*
- Pancreatick Juice, in Anatomy; its Qualities, Course, Uses, *ibid.* Janfon of Almelooven, and Graaf's Opinion thereupon, *ibid.*
- Pantheon, Temple at Rome; History thereof, 133.
- Paneco, Province; Description thereof, 1177.
- Paper, in Chymistry; History and Preparation thereof, 671.
- Papaver Erraticus, Poppy, in Botany; its Virtues, 379.
- Papias, sacred Writer, his Works, 320.
- Papianus and Balbinus, Roman Emperors, massacred by the Army, 528.
- Papous, Land of, in Geography, 1156. Description thereof, 1157.
- Para, Capitanate, in Geography; Description thereof, 1175.
- Parabola, in Geometry, 1193.
- Paracelsus, first Inventor of the Term *Alkaest*, in Alchymy, 26.
- Paragoya, Island, 1156.
- Paraguay, Province, 1173.
- Paraguins, their Character, *ibid.*
- Parallax, in Astronomy, 266. That of the fixed Stars, according to Hook, and Flamsteed, *ibid.* Comets have no Parallax, 269.
- Parallax of the Sun, diurnal, monthly, 272. Attempts made by Hipparchus and Aristarchus to discover it, by Cassini, 273.
- Parallax of the Moon, in Astronomy, 280.
- Parallelism, in Astronomy, 259.
- Parallelogram, in Geometry, 1188.
- Parallepiped, in Geometry, 1192.
- Parameter, in Geometry, 1193.
- Parapet, or Breast-work, in Fortification; Of a Rampart, of a Wall, of Trenches, 1015.
- Parasanges, itinerary Measure, in Geography, 1089.
- Parastatae, in Anatomy; their Situation, Texture, Use, 65.
- Parayba, Capitanate, 1175.
- Parent, Mr. French Mathematician, 401.
- Parents forbidden standing Sponsors for their own Children, 577.
- Parcus, French Anatomist, 105.
- Park of Artillery, in a Camp, 227.
- Paris, City, Capit. Archbishop, 1095.
- Parma, City, Bishop, in Geography, 1134.
- Parmesun, Dutchy, Description thereof, *ibid.*
- Paroli, at Ballet, 1067.
- Parotides, in Anatomy; their Situation, Texture, Uses, 91.
- Parson, in the Clergy, 715.
- Parson impersonae, in the Clergy, *ibid.*
- Parsonage, in the Clergy, *ibid.*
- Partil Aspect, in Astrology, 244.
- Par vagum, Nerve, in Anatomy, 90.
- Paschasius Rathert, his Doctrine of the Eucharist, 960.
- Pasquin, and Marforio, in Antiquities; History thereof, 138.
- Passage of a River, in Army; how attempted, how guarded, 236.
- Passage of a Ditch, in a Siege; how attempted, how defended, 1030.
- Paste, in Confectionary; of Cherries, of Raisins, Apricocks, Quinces, Flowers of Violets, Orange-Flowers, 825.
- Pataca, Portuguese Coin, 751.
- Patagons, their Character, 1174.
- Pathetick Nerve, in Anatomy, 84.
- Patriarch in the Christian Church, 725.
- Patriarchal Churches, in Clergy, 616.
- Pau, City, in Geography, 1100.
- Paul I. Pope, in Chronology; the first worldly Pope, 579.
- Paul II. Pope, in Chronology, 584.
- Paul III. open'd the Council of Trent, 585.
- Paul IV. Pope, in Chronology; his History, *ibid.*
- Paul V. Pope, in Chronology; his History, *ibid.*
- Pawns, at Chess, in Gaming, 1050.
- Pears, in Botany, 366.
- Pecquet, Anatomist, 91.
- Pecquet's, Receptacle, in Anatomy, 60.
- Pedestal, in Architecture, Tuscan, Dorick, Ionick, Corinthian, Composite; their principal Parts, Proportions, Ornaments, according to *Vignola*, *Palladio*, *Perault*, *Scamozzi*, *Daviler*, *Vitruvius*, *Serlio*, square Pedestals, 167.
- Pegasus, in Astronomy; the Number of Stars it contains, according to all the Catalogues, 282.
- Pegu, Kingdom, Description thereof, 1152.
- Pekin, City, capit. Description thereof, 1153.
- Pelagius I. Pope, in Chronology, his History, 577.
- Pelagius II. Pope, his History, *ibid.*
- Pelf, in Falconry, 991.
- Pelvis, in Anatomy; its Configuration, Uses, &c. 63.
- Pembroke, County, 1126.
- Pence, old English Coin, 740.
- Pendulum, in Clock-making; Utility thereof, its Irregularities, Causes, and Remedies thereof; its Calculation; M. *Mountain's* Pendulum. Table of the Variation of Vibrations. Royal Pendulum, 730.
- Pendulum Watches; Theory and Mechanism thereof, 731. Two Manners of effecting it, 731, 732.
- Peninsula, this Side Ganges in India; Description thereof, 1152.
- Penis, in Anatomy; its Situation, Texture; its Arteries, Nerves, Lymphatick Ducts, Muscles, Glands, Uses, Erection, how performed, 66.
- Pentagon, in Fortification; regular, Draught thereof in Mr. *Vauban's* Method, its Ichonography, 1017. Profile, 1018.
- Pentateuch, divine Book; Hebrew, Samaritan; the Sentiment of *Simon Allix*, *Usher*, *Du Pin*, *Whiston* thereupon, 317.
- Pentecost, Feast of the Christians; Solemnity thereof, 1002.
- Penumbra, in Astronomy; its Origin, Extension; different Degrees of the Penumbra, according to M. de la Hire, 280.
- Pepin le bref, King of France, his History, 546.
- Perception, in Animals, 115.
- Perch, Province; Description thereof, 1096.
- Pericardium, in Anatomy; its Substance, Situation, Figure, Office, 73.
- Periphery of a Circle, in Geometry, 1190.
- Perignoux, City, Bishop, *ibid.*
- Periodical Month, in Astronomy, 275.
- Periocians, in Geography, 1080.
- Periostæum, in Anatomy, 45.
- Periscians, in Geography, 1080.
- Peristaltick Motion, in Anatomy, 58.
- Peritonæum, in Anatomy; its Form, Situation, Texture, Uses, 57.
- Permski, Province, in Geography, 1120.
- Pernambuco, Capitanate, 1175.
- Perpignan, City, Bishop, 1101.
- Persecution Ist. of the Christians, 524.
- Perseverance, in Ethics, 949.
- Perseus, in Astronomy; Stars it is composed of, according to all Catalogues, 282.
- Persia, Kingdom, 1147. Description thereof, 1148.
- Persians, their Character, *ibid.*
- Persian Order, in Architecture, 177.
- Periscaria, *Armat*; Description thereof; its Virtues, 379.
- Persius, Poet, 329.
- Perth, Province, in Geography, 1127.
- Perthois, Province, in Geography, 1095.
- Pern, Kingdom, in Geography, 1172. History, Description, and Division thereof, 1173.
- Perugino, Province; Description thereof, 1132.
- Peruvians, their Character, 1173.
- Petala, in Botany, 366.
- Peter of Courtenay, Emperor of Constantinople, 337.
- Peter the Germanick, King of Hungary, deposed, 566.
- Peter I. called the Cruel, King of Castile; killed at the Siege of Montzel, 567.
- Peter I. King of Arragon; defeated the Moors, near Huelca, 568.
- Peter II. King of Arragon, killed at the Battle of Muret, *ibid.*
- Peter III. King of Arragon, died of a Wound he received at Gironne, 569.
- Peter IV. called the Ceremonious, King of Arragon, conquered Roussillon, and loved the Learned, *ibid.*
- Peter II, King of Naples and Sicily, his History, 571.
- Peter, called the Just, King of Portugal, his History, 572.
- Peter II. King of Portugal, his History, *ibid.*
- Peter, St. Prince of the Apostles, Bishop of Rome, 573.
- Peter, Arch-priest of Rome, Anti-pope, his History, 586.
- Peter I. called the Great, Emperor of Muscovy, 563.
- Peter II. Emperor of Muscovy, *ibid.*
- Phalena fasciata, Insect, Description thereof, 121.
- Phalena lineata, Insect, History thereof, *ibid.*
- Phalena predatrice, Insect, History thereof, 122.
- Pharamond I. King of France, his History, 544.
- Pharynx, in Anatomy, its Situation, Figure, Texture, Office, 80.
- Philip, Roman Emperor, suspected of having been a Christian; died of a violent Death, 528.
- Philip I. Emperor of Germany, was assassinated, 540.
- Philip I. King of France; in his Reign was preached the first Croisade, 549.
- Philip II. called Augustus, King of France, went to the Conquest of the Holy Land, *ib.*
- Philip III. called the Bold, King of France, his History, 550.
- Philip IV. called the Fair, King of France, takes Boniface VIII. Pope, Prisoner, *ibid.*
- Philip V. called the Long, King of France, his History, *ibid.*
- Philip VI. of Valois, King of France, his History, *ibid.*
- Philip III. Earl of Evreux, called the Good, King of Navarre, his History, 561.
- Philip I. called the Fair, King of Castile, his History, 568.
- Philip II. King of Castile, his History, *ibid.*
- Philip III. King of Castile, expelled the rest of the Moors from Spain, to the Number of 900,000 Men, *ibid.*
- Philip V. of France, King of Spain, part of his History, *ibid.*
- Philippicus Bardanes, Emperor of Constantinople, his History, 535.
- Philippine Islands, Description thereof, 1156.
- Philosopher's Stone, in Alchymy, Romance thereof; on what founded; L'Emery's Opinion thereupon, 24. Cardan's, and De Coetlogon, 25. Advantages from that Research, 25, 26.
- Philosophical Sin, in Ethics, 940. Refutation thereof, *ibid.*
- Phlegm, in Chymistry, what? 619.
- Phlegmon, true and bastard, in Chirurgery; Signs thereof, 462. Its Cure, according to its different Stages; what, when the Gangrene happens, 463.
- Phlyctais, in Chirurgery, 465.
- Phocas, Emperor of Constantinople, murders Mauritius, his Predecessor; and was murdered in his Turn, 554, 555.
- Phanicia, Province, Description thereof, 1136.
- Phanicians, their History, *ibid.*
- Phygeton, in Chirurgery, Cure thereof, 463.
- Phyma, in Chirurgery, Cure thereof, *ibid.*
- Physiognomy, in Astrology, 251. Porta, and Fludd's Sentiment thereupon, 251, 252.
- Pia mater, in Anatomy, its Situation, Texture, Circumvolutions, Uses, 81. Dr. Willis's Sentiment thereupon, *ibid.*
- Piastres, in Spanish Coins, 751.
- Pic, Chinese Money of Account, 760.
- Picardy, Province, in France, 1093.
- Picol, Chinese Money of Account, 760.
- Picque, at Picquet, 1066.
- Piedmont, Principality, Description thereof, 1134.
- Piety, in Ethics, 949.
- Piger, Henricus, in Chymistry, what? 623.
- Pinching, in Agriculture, how performed, 22.
- Pindarus, a Poet, 329.
- Pineal Gland, in Anatomy, whence thus called; its Situation, Figure, Use, according to Des Cartes; according to the common Opinion, 82.
- Ping-ab, Kingdom, in Asia, 1159.
- Pinions, in Clock-making, 727.
- Pisun, Province, Description thereof, 1132.
- Piscas,

INDEX to the FIRST VOLUME.

Pifces, in Astronomy, the Stars it contains, 281.
 Pifcis Australis, in Astronomy, the Stars it contains, 282.
 Piftil, in Botany, what, not of the same Figure in all Flowers; its Form, Situation, and Use, 362.
 Piftole, Spanish Coin, 751.
 Pithalampark, Province, in Geography, 1122.
 Pits, or Fosses, for transplanting, in Agriculture, how prepared, 13.
 Pit, in Anatomy, Situation and Structure thereof, 44.
 Pittairn, Surgeon, his Method of curing the Gonorrhæa Virulenta, 474.
 Pius I. Pope, in Chronology, his History, 574.
 Pius II. Pope, in Chronology, his History, 584.
 Pius III. Pope, in Chronology, his History, *ibid.*
 Pius IV. Pope, in Chronology, his History, 585.
 Place of Arms, in Fortification, 1025.
 Places on Rivers, in Fortification, 1022.
 Plan, in Dialing, Draught thereof, 867.
 Planchets, in Coining, 738.
 Planets, in Astrology, their Houses, Influences, 243. Aspects, 244. Romances thereupon, 244, 245. Refuted by De Coetlogon, *ibid.*
 Planets, in Astronomy, primary and secondary, 273. Their Phases, 274, 275, 276.
 Plantago, Plantain, in Botany, Description thereof; its Virtues, 379.
 Planting, in Agriculture, Orchards, Forest-Trees, Wall-fruit Trees, 12.
 Plants, in Botany, their Analogy with Animals; their Composition, *ibid.* Their different Sex, 361. Their Organs of Generation; their Distinction into Trees, Shrubs, Herbs, 362.
 Platform, in Fortification, 1014.
 Platoon, in Army, what, 230.
 Pleskow, Province, Description thereof, 1120.
 Pleura, in Anatomy, its Figure, Substance, Situation, Magnitude, Office, 722.
 Plinth, in Architecture, Dimensions thereof, 165.
 Pliny, a Naturalist, 329.
 Plough, in Agriculture, double-wheel, single-wheel, Lincolnshire, Trenching, 7.
 Plough-bone, in Anatomy, 48.
 Ploughing, in Agriculture, Method thereof, 7.
 Plumage, in Falconry, 991.
 Plumbs, in Botany, their Parenchyma, Stone, 367.
 Plume, to, in Falconry, 991.
 Pocket-book, in Book-keeping, 341.
 Podolia, Country, higher and lower, Description thereof, 1118.
 Points, in Geography, cardinal, collateral, vertical, 1074, 1075.
 Points, in Astronomy, what, 257.
 Poitiers, City, Bishop, 1097.
 Poitou, Province, *ibid.*
 Polakia, Province, Description thereof, 1119.
 Poland, Kingdom, Description and Division thereof into higher and lower, 1117.
 Polanders, their Character, 1118.
 Polar Circles, in Astronomy, their Number, Representation, 257.
 Poles, in Geography, arctic, antartick, 1074.
 Polesia, Province, Description thereof, 1119.
 Polesius of Rovigo, Province, Description thereof, 1133.
 Polity of the Presbyterians, in England and Scotland; History thereof, 725.
 Polyglot Bible; of Plantin, Le Jay, Dr. Brian Walton, 314.
 Polygon, in Fortification, 1016.
 Polygon, in Geometry, 1188.
 Polypetalous Plants, in Botany, Description thereof, 366.
 Polypodium, Oak-feran, in Botany, Description thereof; its Virtues, 379.
 Polypus, in Chirurgery, whence thus called; its Causes; where found, 465.
 Polypus of the Lungs; History thereof by Dr. Clarke; Dr. Lister, and M. Bussler's Remarks thereupon, 466.
 Polypus of the Nostrils, how to be treated, *ibid.*
 Polythermous Plants, in Botany, 368.
 Pomerania, Dutchy, Description and Division thereof, 1110, 1111.
 Pomum, in Anatomy, 90.
 Pongo, Kingdom, in Africa, 1166.
 Ponthieu, Territory, Description thereof, 1093.
 Pontifical, Latin Church Book, 328.
 Pontifical Books of the Romans, 329.
 Pont St. Esprit, a famous Bridge in France, 408.
 Popayana, Province, Description thereof, 1173.
 Pope, in the Clergy, his Dignity; Council, 710. His Revenues, 711.
 VOL. I.

Portico of a Temple at Naples, 135.
 Portico of Temples, in Building, 406.
 Porto-Seguro, Capitanate, 1175.
 Portugal, Kingdom, in Geography, 1136. Description, and Division thereof, 1131.
 Portuguese, their Character, 1130.
 Pofeca, City, in Geography, 1141.
 Position, in Arithmetick, 209. Single, 210. Double, 211.
 Position, in Astrology, 243.
 Postulate, in Geometry, 1186.
 Pottage, in Cookery, 827. Of Health, Partridges, Ducks with Turnips, Rabbits, Fowls with Colliflowers, Pease with a green Goose, Fowls with green Pease, *ibid.* Of a Knuckle of Veal, 828. A Pig, Half Mutton, a Capon with Rice, a stuffed Capon, stuffed Pigeons, stuffed Ducks, stuffed Breast of Veal, stuffed Calf's Head, stuffed Lamb's Head, stuffed Leg of Mutton, stuffed Green Geese, stuffed Partridges, stuffed Turkeys, *ibid.*
 Pottages meagre, in Cookery, 831. Of Herbs, Crawfish, Carp, stuffed Mushrooms, Muscles, Onions, green Pease, stuffed Cucumbers, *ibid.*
 Powder of Viper, in Chymistry, its Virtues, 694.
 Powder of Projection, in Alchymy, 25.
 Powder of Algaroth, in Chymistry, 646.
 Power, in Algebra, how distinguished by Des Cartes and the rest of the Moderns, 29. Their particular Names, as introduced by the Arabs, as given by Diaphantus, Characters they are denoted by; Powers of the same Degree, of proportional Quantities, their Exponent, and Divisor, *ibid.*
 Pox, in Chirurgery, Cure thereof, 475, 476.
 Prague, City, Bishop, 1108.
 Precession, in Astronomy, what, 260.
 Precipitate, in Chymistry, 623.
 Precipitate of Mercury; White, two Sorts thereof, its Preparation, Virtues, 642. Red, its Preparation, Virtues, 643. Green, its Preparation, Virtues, *ibid.*
 Precipitation, in Ethicks, 947, 948.
 Prepuce, in Anatomy, its Figure, Use, 66.
 Presbourg, City, capit. 1117.
 Preston, Dr. an Englishman, his Relation of the new Discovery of M. Du Verney, in the Head, 83.
 Priests, in the Clergy; their Character, Dignity, Power, their Celibacy in the Roman Church, Advantages and Policy thereof, 707.
 Primula veris, Primrose, in Botany, 379. Description thereof, its Virtues, *ibid.*
 Principality, Province, ulterior, ceterior, 1132.
 Principles, in Chymistry, 617. Dissertation thereupon, 618.
 Prints, in Engraving; Utility thereof, how to collect them, 921. Advantageous to Children, 922.
 Prior, in the Roman Clergy, Conventual, Claustal, 720.
 Privileges of the English Clergy, 722.
 Probability, in Ethicks, Refutation thereof by Coetlogon, Answers to the Objections, 939.
 Probable Conscience, in Ethicks, 938.
 Problem, in Geometry, 1186.
 Probus, in Chronology, his History, 520.
 Procyon, a fixed Star, in Astronomy, 266.
 Products of all Countries, 758, 759, 760.
 Programma, what, 136.
 Proportion, in Geometry, geometrical, arithmetical, 1194, 1195.
 Proposition, in Geometry, 1186.
 Protest of a foreign Bill, in Commerce, 821.
 Prothesis, in Chirurgery, 760.
 Provence, Province, 1102. Description and Division thereof, 1103.
 Provins, Territory, 1094.
 Provost Marshal, in Army, his Duties, 227.
 Prudence, in Ethicks, 947.
 Pruning, in Agriculture, 13.
 Pruning of Trees of the first Year, of the second and third Year, 14.
 Pruning of Fruit Trees, Rules thereof, *ibid.*
 Pruning of Forests or Timber Trees, 15.
 Prunus Silvestris, wild Plumb-trees, its Virtues, 379.
 Prussia, Kingdom, Royal, Ducal, 1118.
 Ptolemaick Epicycle, in Astronomy, 258.
 Ptolemaick Sphere, in Astronomy, Description thereof, 257.
 Ptolemaick System, in Astronomy, followed by Aristotle, Plato, Eudoxus, Calippus; Theory thereof, 258.
 Ptolemy, Astronomer, his History, *ibid.*
 Ptolemy, Son of Philip, Alexander's Father, first King of Egypt, his History, 518.
 Ptolemy Philadelphus, King of Egypt, collected the greatest Library in the World; under his Reign the Version of the Septuaginta, *ib.*

Ptolemy Evergetes, King of Egypt, conquered almost all Asia, *ibid.*
 Ptolemy, called Philopater, King of Egypt, his History, *ibid.*
 Ptolemy Epiphanes, King of Egypt, his History, *ibid.*
 Ptolemy Philomater, King of Egypt, his History, *ibid.*
 Ptolemy Evergetes, King of Egypt, his History, *ibid.*
 Ptolemy, called Phifcon, King of Egypt, his History, *ibid.*
 Ptolemy Alexander, King of Egypt, his History, *ibid.*
 Ptolemy Dionysius, King of Egypt, his History, *ibid.*
 Ptolemy Ceraunces, King of Macedon, his History, *ibid.*
 Pubes, in Anatomy, its Situation, Texture, Use, 68.
 Publick Penance, in the English Church, how performed, 725.
 Pudendum, in Anatomy, its Situation, Texture, 67.
 Pudende Arteria, in Anatomy, their Use, 68.
 Puerbach, George, Astronomer, 258.
 Pulegium, Penny Royal, in Botany, Description thereof, its Virtues, 379.
 Pulses, in Agriculture, 22.
 Pulmonaria, in Botany, its Virtues, 380.
 Punter, at Basset, 1067.
 Pupil of the Eye, in Anatomy, not essentially necessary to Sight, 87.
 Purification of calcined Copper, 636.
 Purchot, a French Philosopher, 105.
 Punter, at Basset, 1067.
 Purse, in the Turkish Money of Account, 760.
 Pylorus, in Anatomy, 58.
 Pyramids, in Antiquities, Occasion thereof, 139.

Q

Quadrant Aspect, in Astrology, 244.
 Quadratures of the Moon, in Astronomy; Theory thereof, 275.
 Quadrille, a Game at Cards, Rules thereof, 1063.
 Quadrupedes, Animals, hoofed, ruminant, cloven-footed, digitated, 116.
 Qualifications of a Merchant, in Commerce, 744, 755, 756.
 Quangsi, Province, Description thereof, 1134.
 Quantity, in Algebra, positive, negative, compound, specious, 30.
 Quantity of an Eclipse, in Astronomy; how determined, 280.
 Quantity, in Geometry, 1194.
 Quatang, Province, Description thereof, 1153.
 Quarry, in Falconry, 991.
 Quarte, in Fencing, 4.
 Quarte, at Picket, 1065.
 Quarter-Master, in Army, his Duties, 224.
 Quarter-Master-General, in Army, his Rank, and Duties, 227.
 Quatorze, at Picquet, 1065.
 Quebec, City, Bishop, 1178.
 Queen, at Chess, 1050.
 Queen's County, Province, Description thereof, 1128.
 Quercy, Province, 1099.
 Quisnel, Father, his History, 411, 412.
 Questions to Exercise, Addition and Subtraction, 198.
 Quichen, Province, Description thereof, 1134.
 Quiloa, Kingdom, Description thereof, 1116.
 Quincunx, in Agriculture, what, 20. modern, according to Davila, *ibid.*
 Quinquefolium, Cinquefoil, in Botany, Description thereof, its Virtues, 380.
 Quinquina, in Chymistry, History and Preparation thereof, its Virtues, 672, 673.
 Quinte, at Picquet, 1065.
 Quintilian, Orator, 329.
 Quintille, Game at Cards; Rules thereof, 1063.
 Quintinie, a celebrated French Gardener; his Remarks on Lands, 21.
 Quintus Atherius, Orator, 329.
 Quintus Curtius, Historian, 330.
 Quirinalia, Feast of the Romans; Solemnity thereof, 994.
 Quito, Province, Description thereof, 1173.

R

Rabbins, their Sentiment on Talismans, 245.
 Rablais, Marks of his Atheism, 301.
 Racheis, King of the Lombards, abdicated, retired into a Monastery, 556.
 Rachitis, or Rickets, in Chirurgery, Signs thereof, its Cure, 484.
 Raciner,

INDEX to the FIRST VOLUME.

- Racimer*, made a General by the Emperor Majorian; killed his Benefactor, rais'd Severus Libius to the Throne, his Death and Character, 532.
- Radius, in Anatomy; Division and Description thereof, 53.
- Radnor*, County, in Geography, 1126.
- Ragau*, antient Patriarch of the Jews; his Genealogy, 502.
- Raginbert*, King of the Lombards; his History, 556.
- Ragouts, in Cookery, Of Ducks, Pigeons, Fowls, Near's Tongue, Pork's Tongue, 828.
- Ragouts of Sheep's Tongue, Turkey, Pig, Calves Feet, double Tripe, Fillet of Veal, Loin of Deer, of a Hare, Capons, Calves, 829.
- Ragouts of Truffles, 830.
- Ragouts maigre, Of Soles, Pikes, stuffed Tench, 831.
- Ragouts of stuffed Carps, Salmon, Oysters, Flounders, fresh Cod, 832.
- Ragusa*, Republick, History thereof, 1141.
- Rake, to, in Falconry, 991.
- Rain of Ashes, at Constantinople, 533.
- Raisins, in Agriculture, 4.
- Ramezan, a Turkish Feast; Solemnity thereof, 1002.
- Ramire I.* King of Leon; gained the Battle of Slaucio, against the Moors, 556.
- Ramire II.* King of Leon, defeated twice the Arabs, *ibid.*
- Ramire III.* King of Leon, deposed for his Debaucheries, *ibid.*
- Ramire I.* King of Arragon; Kill'd in a Battle, 568.
- Ramire II.* King of Arragon; his History, *ibid.*
- Rampart, in Fortification, 1014. Structure thereof, 1015.
- Rangle, in Falconry, 991.
- Rate of Post-Letters, in Commerce, 822. By Packet boats, *ibid.*
- Ratio, in Geometry, duplicate, triplicate, quadruple, 1194.
- Rationality, how performed, 114. Chauvin, Hook, Des Cartes, De Coetlogon's Sentiment thereupon, 115.
- Ratibon*, City, Bishop, 1105.
- Ravelin, in Fortification, Structure thereof; its Use, double Ravelin, 1015.
- Raumo*, Territory, Description thereof, 1094.
- Ray, Mr. a celebrated English Botanist; his Distinction of the Trees and Shrubs of English Growth, 364. His Division of Flowers into perfect and imperfect; simple and compounded, 365. His Distribution of Plants, into 25 Genera, or Classes, 368.
- Rear-guard, in Army, how order'd, 232.
- Re-baptism, in Baptism, what, 309.
- Rebate, in Commerce, done in two Manners at Amsterdam; how in England, 808.
- Rebate, in Arithmetick, how performed, Questions thereupon, 206.
- Rebellious Angels, their History, 107.
- Retared*, King of the Visigoths; his History, 543.
- Recipient, in Chymistry, 623.
- Reclaiming, in Falconry, 991.
- Rectify, to, in Chymistry, 623.
- Rector, in Clergy; his Duties, 715, 718.
- Rectum, Intestine, in Anatomy, its Structure, Extent, Insertion, Length, Use, 59.
- Redant, in Fortification, Form, Situation, and Use thereof, 1016.
- Redi*, Naturalist, his Sentiment on the Transmutation of Caterpillars, 121.
- Redoubt, in Fortification; Structure thereof, its Use in Trenches, 1026.
- Redstart, in Fowling; History thereof, 1047.
- Reduction, in Arithmetick, descending and ascending, 202.
- of Fractions, 212.
- of Fractions of Fractions, *ibid.*
- of improper Fractions, *ibid.*
- of a mixed Number, *ibid.*
- of a whole Number, *ibid.*
- of Equations, in Algebra, how performed, 30.
- of Fractions, in Algebra, to the least Term, to a common Denominator, simple, 32.
- of simple Luxations, in Chirurgery, how perform'd; its Apparatus and Bandage, 476.
- of the Coccix; how performed, its Apparatus and Bandage, 498.
- of the inferior Jaw-bone; its Apparatus and Bandage, 497.
- of the Fracture of the Clavicle; its Apparatus and Bandage, *ibid.*
- of the Fracture of the Nose; its Apparatus and Bandage, *ibid.*
- Reduction of the Foot; its Apparatus and Bandage, 477.
- of the Wrist; its Apparatus and Bandage, 476.
- of the Sternum; its Apparatus and Bandage, 498.
- Regiomontanus*, Astronomer, 258.
- Regiment, in Army, how composed, 225.
- Regulus of Antimony, Preparation thereof; its Virtues, Remarks thereupon, 645.
- Regulus of Arsenick; Preparation thereof, its Virtues, 650.
- Religion, in Ethicks, 948.
- Religions in Europe, different Sorts thereof, 1091.
- Religions in Asia, 1143.
- Remedies for the Ague, in Chymistry, Doses thereof, 698.
- for the Aphs, in Chymistry; Doses thereof, *ibid.*
- for the Asthma; Doses thereof, 699.
- for the windy Cholick, Nephretick, Stone and Gravel, *ibid.*
- for the Dropsy; Doses thereof, *ibid.*
- for the Epilepsy and Fits; their Doses, *ibid.*
- for continual Fevers; their Doses, *ibid.*
- for malignant Fevers; their Doses, 700.
- for the hypochondriacal Melancholy, their Doses, *ibid.*
- for the Pox, Clap, &c. their Doses, *ibid.*
- for the Small Pox; their Doses, *ibid.*
- for the Rheumatism; their Doses, *ibid.*
- for the Scurvy; their Doses, 700.
- for the King's Evil, and other scrophulous Tumours, their Doses, *ibid.*
- for the Squinancy, their Doses, 701.
- for Vapours, and Palpitations of the Heart; their Doses, *ibid.*
- for Ulcers in the Bladder, or Matrix; their Doses, *ibid.*
- to help Women in Labour; their Doses, *ibid.*
- for the After-Pains of lying-in Women; their Doses, *ibid.*
- for the Hickup; their Doses, *ibid.*
- for the Sciatica; their Doses, *ibid.*
- for the Diseases of the Eyes; their Doses, *ibid.*
- for Deafness, *ibid.*
- for the Tooth-ach; *ibid.*
- for the Gangrene, *ibid.*
- for tetterous Tumours, 702.
- for Contusions and Dislocations, *ibid.*
- for the Caries of the Bones, *ibid.*
- for Burns, *ibid.*
- for the Rage, *ibid.*
- for Worms, *ibid.*
- to stop Vomiting, *ibid.*
- to carry Spots, off the Skin, *ibid.*
- Remise, at Ombre, in Gaming, 1064.
- Renal, in Anatomy, their Use, 63.
- Renal Vertebra, in Anatomy, 50.
- Renée*, of France, Dutches of Ferrara; her History, 437, 438.
- Remes*, City, Bishop, Capit. 1095.
- Renunces, at Ombre, in Gaming, 1060.
- Repicque, at Picquet, in Gaming, 1066.
- Reptiles in Animals; their History, 117.
- Resident, in Embassadors; their Qualifications, Rank, Duties, Privileges, 813.
- Refine of Jalap, in Chymistry; its Virtues, 670.
- Respect, in Ethicks, 949.
- Respiration, in Anatomy; how effected, Uses, and Effects thereof, 78.
- Retina, in Anatomy; its Structure, Uses, 86.
- Retort, in Chymistry, 625.
- Retreat, in Army; how managed, 233, 234.
- Revelation of the 70 Weeks of Daniel, 515.
- Revenue of the holy Sec, 711.
- Reverberate, to, in Chymistry, 623.
- Reverberatory Fire, in Chymistry, 624.
- Revivify, to, in Chymistry, 623.
- Revolution, in the Roman Republick, 521.
- Revolution of Stair-Cases, in Building, 399.
- Rez, Portugal Coin, 751.
- Rexa*, Province; Description thereof, 1120.
- Rheims*, City, Archbishop, 1094.
- Rhemois*, Territory, 1095.
- Rhodes*, City, Bishop, 1099.
- Rhodes*, Island, History, and Description thereof, 1145.
- Rhomboides, in Geometry, 1188.
- Rhubarb, in Chymistry; History thereof, its Virtues, 670.
- Rialto*, a Bridge at Venice, History thereof, 408.
- Ricciolus*, Astronomer, 272.
- Richard I.* King of England; his History, 558.
- Richard II.* King of England; his History, *ibid.*
- Richard III.* King of England; killed in a Battle, *ibid.*
- Richer*, a French Astronomer, his astronomical Observations, made at Cayene, 1084.
- Riding, in Academy; Art thereof, 4.
- Rima, in Anatomy, 82.
- Rio Barbarano*, its Source and Course, 1174.
- Rio Bianco*, River, its Source and Course, 1173.
- Rio Desaguadero*, its Source and Course, 1173.
- Rio Grandé*, Capitanate, 1175.
- Rio Janciro*, Capitanate, *ibid.*
- Rio de la Hacha*, Government, 1173.
- Rio de la Plata*, Province, 1174.
- Rio de spiritu sancto*, in Africa, its Source and Course, 1167.
- Rio Gambia*, in Africa, its Source and Course, 1159.
- Rio da Volta*, in Africa, its Source and Course, 1163.
- Rio del Gado*, in Africa, its Source and Course, 1167.
- Rio del Rey*, in Africa, its Source and Course, 1163.
- Rio dos Camarones*, in Africa, its Source and Course, *ibid.*
- Rio Cuama*, in Africa, its Source and Course, 1167.
- Rio Cumissa*, in Africa, its Source and Course, *ibid.*
- Riolanus*, French Anatomist, 105.
- Ritual Books of the Romans, 329.
- Rivers, in Europe, Adige, 1131. Aluto, 1142. Arno, *ibid.* their Source and Course.
- Boristhenes, 1118. Bosna, 1140. Boyne, 1128. their Source and Course.
- Danube, 1137. Datiano, 1135. Derwent, 1124. Douro, 1130. Drave, 1137. Drine, 1140. their Source and Course.
- Elb, 1110. Ebre, 1129. Escaut, 1112. their Source and Course.
- Garone, 1094. Guadiana, 1129.
- Inn, 1107. Jalonikza, 1142. Iker, 1140. Issel, 1112. Iffer, 1107. their Source and Course.
- Kulp, its Source and Course, 1140.
- Liamond, 1136. Lich, 1107. Loire, 1124. their Source and Course.
- Mein, 1107. Meuse, 1113. Mizza, 1138. Moldow, 1118. Moselle, 1112. their Source and Course.
- Nekar, 1107. Nieper, 1142. Nisawa, 1140. their Source and Course.
- Oder, its Source and Course, 1110.
- Po, 1131. Pruth, 1142. their Source and Course.
- Rhine, 1111. Rhone, 1094. their Source and Course.
- Salso, 1135. Saave, 1137. Scarpe, 1112. Seine, 1094. Sewer, 1128. Shannon, *ibid.* Swart, 1109. Their Source and Course.
- Tagus, 1130. Tanais, 1119. Tay, 1126. Telefeh, 1142. Teflin, 1131. Teya, 1109. Thames, 1124. Tibisk, 1137. Travignan, 1136. Trent, 1124. Tweed, 1126. Tyber, 1131. their Source and Course.
- Vistula, its Source and Course, 1118.
- its Source and Course.
- Wolga, 1119. Wultaw, 1118. their Source and Course.
- Rivers, in Asia, Araxes, Its Source and Course 1148.
- Caper, its Source and Course, 1146.
- Euphrates, its Source and Course, 1144.
- Ganges, its Source and Course, 1149.
- Indus, its Source and Course, *ibid.*
- Jordan, its Source and Course, 1145.
- Lycus, its Source and Course, 1146.
- Menan, its Source and Course, 1151.
- Orontes, its Source and Course, 1145.
- Sirt, its Source and Course, 1148.
- Tiritiri, its Source and Course, *ibid.*
- Tygris, its Source and Course, 1144.
- Xante, its Source and Course, *ibid.*
- Rivers in Africa, Abanhe, its Source and Course, 1164.
- Benin, its Source and Course, 1163.
- Calabri, its Source and Course, *ibid.*
- Gambra, 1159. Ghiz, 1162. Green, 1167. Gundillhar, 1160. their Source and Course.
- of the Horses, its Source and Course, 1162.
- of Madagascar, 1168. Mellind, 1167. Monbaze, *ibid.* Mozombick, *ibid.* their Source and Course.

I N D E X to the FIRST VOLUME.

- Rivers, Niger, 1159. Nile, *ibid.* of Nubia, 1162.
- Quadilbarbar, 1162. Quilmanca, 1167.
- Quiloa, *ibid.* their Source and Course.
- Senega, 1159. St. Mary, 1167. Sweira da Casto, 1163. their Source and Course, *ibid.*
- Tacassi, 1164. Tegazarin, 1162. their Source and Course, *ibid.*
- Rivers, in America, of the Amazonas, 1172. its Source and Course, 1172.
- Cagana, 1175. Casignates, *ibid.* their Source and Course, *ibid.*
- del Norte, its Source and Course, 1177.
- Esquitland, its Source and Course, 1176.
- Lofyopes, its Source and Course, *ibid.*
- Magdelen, 1172. Maragnon, 1175. of Mexico, 1176. Miceri, 1175. Mississippi, 1178. their Source and Course, *ibid.*
- Oronoque, its Source and Course, 1172.
- Panucco, 1176. Paraguay, 1172. Plata, *ibid.* their Source and Course, *ibid.*
- St. Francis, 1175. St. Laurence, 1172.
- St. Marguerite, *ibid.* St. Martha, 1178. their Source and Course, *ibid.*
- Taboucourou, 1175. Three Rivers, 1178. Tucumar, 1174.
- Rixdollar, Flemish Coin, 752.
- Robin Red-Breast, in Fowling, History thereof, 1046.
- Robert of Courtenay, Emperor of Constantinople, his History, 537.
- Robert, called the Exiguus, Emperor of Germany, his History, 541.
- Robert, King of France, his History, 548, 549.
- Robert Bruce I. King of Scotland, his History, 554.
- Robert II. Son of Walter Stuart, King of Scotland, his History, *ibid.*
- Robert III. King of Scotland, his History, *ibid.*
- Robbam, in Chronology, his History, 506.
- Roderick, King of the Visigoths, his History, 543.
- Rodgald, King of the Lombards, his History, 536.
- Rodolphus I. Earl of Hubsbourg, Emperor of Germany, his History, 540.
- Rodolphus II. Emperor of Germany, 541.
- Rodolphus I. King of Bohemia, his History, 569.
- Roger, called Crooked-Back, King of Naples, his History, 570.
- Roger II. King of Naples, ended the Conquest of Sicily, *ibid.*
- Roger III. King of Naples, his History, *ibid.*
- Rohault, a celebrated French Philosopher, his Theory of the Circulation of the Blood, 76.
- Romagna, Province, Description thereof, 1132.
- Romania, Province, Description thereof, 1138.
- Rome, City, Capital, 1131. plunder'd by the Vandals, 532.
- Rope-dancing, Art thereof, 865.
- Roof, in Building, painted, flat, false, elegant, Proportions thereof, 400.
- Rook, at Chess, 1050.
- Rooms, in Building, Proportion thereof, 402.
- Root, in Algebra, what? 29. of Equation, real, false, Extraction thereof, 30.
- Root, in Arithmetick, Square and Cube, Extraction thereof, 217.
- Roots, in Botany, fibrous, broad, long, 358, 359.
- Rosa Silvestris, wild Rose, in Botany, Description thereof, its Virtues, 380.
- Roschaw, Province, Description thereof, 1120.
- Roscommon, Province, Description thereof, 1129.
- Rosemonde, Queen of the Lombards, her History, 556.
- Roses, in Chymistry, History and Preparation thereof, 677.
- Ros, Province, Description thereof, 1127.
- Roslow, Province, Description thereof, 1120.
- Rostrum, in Antiquities, History thereof, 138.
- Rotharis, King of the Lombards, his History, 556.
- Rotterdam, City, 1113.
- Rouen, City, Capital, Archbishop, 1093.
- Rouergue, Territory, Description thereof, 1099.
- Roussillon, Province, Description thereof, 1101.
- Routlick, Swedish Coin, 752.
- Royal Society, in England, History thereof, 2.
- Reye, Eleonora of, Princess of Conde, her History, 442.
- Rubie, African Coin, 752.
- Rubus Silvestris, in Botany, its Virtues, 380.
- Rudbeck, a Swedish Anatomist, 105.
- Ruff, in Falconry, 991.
- Rules of Manners, in Ethics, 993.
- Rule of Reduction, in Arithmetick, ascending and descending, 202.
- Rule of Tare and Tret, in Arithmetick, 202, 203.
- Rule of Three Direct, Questions thereupon, 203, 204.
- Rule of Five Numbers, in Arithmetick, 205.
- Rule of Fellowship, in Arithmetick, without and with Time, *ibid.*
- Rule of Barter, in Arithmetick, Questions thereupon, 205, 206.
- Rule of Interest, in Arithmetick, Simple and Compound, 206, 207.
- Rule of Alligation, in Arithmetick, Mediate and Alternate, 207, 208.
- Rule of Position, Single and Double, 209, 210.
- Rupée, Japanese Coin, 753.
- Rural Dean, in the Clergy, what, 706.
- Rufcus, Butchers-Broom, in Botany, Description thereof, its Virtues, 380.
- Rustic Order, in Architecture, 177.
- Rutland, County, in Geography, 1126.
- Ryben, Province, in Geography, 1123.
- S.
- Sabina, Province, Description thereof, 1132.
- Sabinus, celebrated ancient Lawyer, 330.
- Sabbestan, Province, Description thereof, 1148.
- Sacanus, Province, Description thereof, 1177.
- Sacer, Muscle, in Anatomy, its Process and Insertion, 99.
- Sacred College, in the Clergy, when and by whom instituted, how composed, Splendor thereof, 711.
- Sacred-Epocha's, in Calendar, History thereof, 423, 424.
- Sacrifices, in Feasts, how perform'd, 997.
- Sacristan, or Sexton, in the Clergy, his Office, 724.
- Sacro Bosco, Astronomer, his Sentiment on the Number of Heavens, 258.
- Sacro Lumbaris, Muscle, in Anatomy, its Process and Insertion, 99.
- Sagamo, Captain of Savages, 1178.
- Sagitta, in Astronomy, the Number of Stars it contains, 282.
- Sagittal Suture, in Anatomy, its Situation and Process, 49.
- Saguanay, Province, Description thereof, 1179.
- Saintes, City, Bishop, 1100.
- Saintonge, Province, Description thereof, 1090, 1100.
- Saker, in Falconry, 990.
- Sal-Armoniac, in Chymistry, History, Purification and Virtues thereof, 657.
- Sale, ancient Patriarchs, in Chronology, 502.
- Salina, Province, Description thereof, 1132.
- Salivation, in Chirurgery, how procured, how managed, 473.
- Salix vulgaris, Willow, in Botany; Description thereof, its Virtues, 380.
- Salmanazar, King of Assyria; besieges and takes Jerusalem, 509.
- Sal Metallicum, in Chymistry, Preparation thereof, its Virtues, 646.
- Sal-petre, in Chymistry, History, Purification and Virtues thereof, 655.
- Salop, County, Description thereof, 1126.
- Sal-Polychrest, in Chymistry, Preparation thereof, its Virtues, 656.
- Salt, in Chymistry, acid, alkaly, essential, fixed, fluor, salted, volatile, 623.
- Salt, extracted from Plants; acid, volatile, fixed, 620.
- Salt, essential of Carduus Benedictus, Preparation thereof, its Virtues, 676.
- Salt, fixed of Guaiac, Preparation thereof, its Virtues, 671.
- Salt, fixed of Juniper-berries, Preparation thereof, its Virtues, 675.
- Salt, alkaly of Melissa, Preparation thereof, its Virtues, *ibid.*
- Salt, fixed of Tartar, Preparation thereof, its Virtues, 685.
- Salt, volatile of Tartar, Preparation thereof, its Virtues, 685.
- Salt, volatile of Carabe, Preparation thereof, its Virtues, 668.
- Salt, volatile of Viper, Preparation thereof, its Virtues, 694.
- Salt of Jupiter, in Chymistry, Preparation thereof, its Virtues, 632.
- Salt of Saturn, Preparation thereof, its Virtues, 634.
- Salt of Sulphur, Preparation thereof, its Virtues, 666.
- Salt of Vitriol, Preparation thereof, its Virtues, 664.
- Samandria, City, 1140.
- Sambucus, Elder-tree, in Botany, Description thereof, its Virtues, 38.
- Samagatia, Country, Description thereof, 1119.
- Samson, in Chronology, his History, 504.
- Samuel, in Chronology, 505.
- Sanballat, Governor of Samaria, for Darius King of Persia, builds a Temple on Mount Gerizim, like that of Jerusalem, 512.
- Sancho I. King of Arragon, called the Fat, his History, 557.
- Sancho I. King of Navarre, his History, 560.
- Sancho II. King of Navarre, killed in a Battle, *ibid.*
- Sancho III. called the Great, King of Navarre, his History, *ibid.*
- Sancho IV. called the Wise, King of Navarre, killed at the Siege of Ramora, *ibid.*
- Sancho V. King of Navarre, killed at the Siege of Huesca, *ibid.*
- Sancho VI. King of Navarre, his History, *ibid.*
- Sancho VII. called the Recluse, King of Navarre, his History, *ibid.*
- Sancho II. King of Castile, his History, 567.
- Sancho III. King of Castile, his History, *ibid.*
- Sancho IV. King of Castile, his History, *ibid.*
- Sand, in Agriculture, soft, unctuous, coarse, 5.
- Sand, in Building, different Sorts thereof, 391.
- Sand-heat, in Chymistry, how managed, 624.
- San-Domingo, City, Archbishop, 1180.
- Sans Prendre, at Ombre, 1061.
- Sap, in Fortification, how conducted, 1026.
- Sapercou, Money of Account, at Java, 761.
- Sapience, in Ethics, 944.
- Sar, City, 1099.
- Saracens, expelled from Sicily by the Normans, 549.
- Sarcology, in Anatomy, 55.
- Sardinia, Kingdom, Description thereof, 1136.
- Sardinians, their Character, *ibid.*
- Satellites, of Jupiter, in Astronomy, discovered by Galileo, their Revolutions, as defined by Simon Marius, their Distance from Jupiter, as observed by Cassini, their Phases, 286.
- Tables for the Computation of the Eclipses of that next Jupiter, invented by Cassini, 287.
- five more discover'd by Antony Maria Shyr-læus, *ibid.*
- Satellites of Saturn, five in Number, by whom discovered, their Distance from Saturn, the Vicissitude of their Light, *ibid.* their periodical Time, 288.
- Saturn, in Astronomy, its Magnitude, the Inclination of his Plan to that of the Ecliptick, according to Kepler, its mean Distance from the Sun, according to De la Hire, its smallest Diameter, according to Huygens, its Distance from the Sun, whether it revolves round its Axis, Causes of its Irregularities, 287. Its true Place in the Ecliptick, how found, 288.
- Saturnalia, Feast of the Romans, 992.
- Saucisse, in Fortification, its Use, 1032.
- Saucisson, in Fortification, its Use, *ibid.*
- Saul, King of Israel, in Chronology, his History, 506.
- Savolax, Province, Description thereof, 1121.
- Savoy, Duchy, Description thereof, 104.
- Savoyards, their Character, 1105.
- Saxifrage, in Botany, Description thereof, its Virtues, 381.
- Saxony, Electorate; Higher and Lower, 1110.
- Description thereof, 1111.
- Saxons, their Character, 1110.
- Scabiosa, Scabious, in Botany, Description thereof, its Virtues, 381.
- Scalenus, Muscle, in Anatomy, its Process and Insertion, 93.
- Scaling, Flemish Coin, its Value, 752.
- Scammozzi, celebrated Architect, 172.
- Scandinavia, Country, Description thereof, 1120, 1121.
- Scapula, or Shoulder-Blade, in Anatomy, 51.
- Scarabei, Insects in Animals, Division thereof, 121.
- Schaffoussu, Country, Description thereof, 1116.
- Scheeter, Engineer, 1023.
- Schedal, Danish Coin, its Value, 752.
- Schewitz, Canton, Description thereof, 1116.
- Scholium, in Geometry; what, 1186.
- Science, in Ethics, History thereof, 944, 945.
- Scirrhus, in Chirurgery, Cure thereof, 465.
- Scorbutus, in Chirurgery, Cure thereof, 167.
- Scotch, their Character, 1127.
- Scotin, in Architecture, 165.
- Scotland, Kingdom, Description thereof, 1126, 1127, 1128. Changes Religion, 446, 447.
- Scotus John, Sacramentarian, 961.
- Scrophularia, blind Nettle, in Botany, Description thereof, its Virtues, 381.
- Scurrilous Libels, wrote by the Calvinists against the Cardinal of Lorraine, 445.
- Sea, in Geography, Southern, Northern, Magellanic, Glacial, Division and Description thereof, 485.
- Sea-Fight, of Actium, in Chronology, 592.
- Sea-Fight of Zizicrea, in Chronology, 593.
- Sea-

INDEX to the FIRST VOLUME.

- Sea-Fight near l'Escluse, History thereof, *ibid.*
 Sea-Fight near the Island of Ponce, History thereof, 594.
 Sea-Fight of Lepante, History thereof, 595.
 Sea-Fight off Soltzby, History thereof, 596.
 Sea-Fight near Blakemberg, History thereof, *ibid.*
 Sea-Fight before the Texel, History thereof, *ib.*
 Sea-Fight before the Town of Angoulsta, *ibid.*
 Sea-Fight in the Channel, History thereof, *ibid.*
 Sea-Fight off the Hogue, History thereof, 597.
 Sea-Salt, in Chymistry, History, Preparation and Virtues thereof, 654.
 Sebastian, King of Portugal, his History, 572.
 Sebastian of Luxembourg, Earl of Martigues, defends Leith in Scotland, besieged by the English, 447.
 Secant Line, in Geometry, 1190.
 Sector of a Circle, in Geometry, 1191.
 Secession of the People at Rome, 520.
 Seed, in Agriculture; how chosen, according to Mr. Bradley, their Shape and Weight, 8.
 Seed, in Anatomy, how prepared, how ejaculated, 65.
 Seeling, in Falconry, 991.
 Segelmeß, Province, Description thereof, 1162.
 Segment, in Geometry, 1190.
 Sejanus, Prime Minister of the Emperor Tiberius; his unhappy Catastrophe, 522.
 Seleucus, Nicanor, King of Syria, his History, 519.
 Seleucus Gallinicus, King of Syria, deposed, *ib.*
 Seleucus Philopater, King of Syria, his History, *ibid.*
 Selim I. Emperor of the Turks, his History, 589.
 Semiramis, Queen of Assyria, her History, 505.
 Semi-circle, in Geometry, 1190.
 Semination, in Agriculture, Theory thereof, 8.
 Semimervolus, Muscle, in Anatomy, its Process and Insertion, 101.
 Semispinatus, Muscle, in Anatomy, its Process and Insertion, 99.
 Send, Province, Description thereof, 1148.
 Seneca, Philosopher, his Sentiments on burning the Books of Labienus, 329.
 Sens, City, Archbishopric, 1094.
 Sensation, a Faculty of the Soul, how effected, 114.
 Sept-et-le-va, at Basset, Quinze, Trent, Soissant, 1067.
 Septum Lucidum, in Anatomy, 82.
 Sequin, Italian Coin, its Value, 751.
 Seregippe, Capitanate, Description thereof, 1175.
 Sergius I. Pope, ordered Agnus Dei, &c. to be sung at the Breaking of the Bread for the Communion, 579.
 Sergius II. Pope, the first who granted Indulgences for visiting certain Churches, 580.
 Sergius III. Pope, his History, 581.
 Sergius IV. Pope, his History, 581.
 Serjeant, in Army, his Qualities, Duties, 225.
 Series of Quantities, in Algebra, 30.
 Series of Medals, in Antiquities, how formed, 145.
 Serpentine, in Chymistry, 625.
 Serpilium, wild Betony, in Botany, Description and Virtues thereof, 381.
 Servitude, in Ethics, several Kinds thereof, 954, 955.
 Serratus major, and minor Muscles, in Anatomy, 98.
 Setting-Dog, for Fowling, how trained, 1044.
 Several Sects of Anabaptists, 401.
 Severinus, Pope, condemned the Ecthesis, published by the Emperor Heraclius, 578.
 Sextant, Astronomical Instrument, use thereof, 291.
 Sextile Aspect, in Astrology, 244.
 Shadow, in Dialling, Theory thereof, 869.
 Shankers, Venereal, in Chirurgery, Cure thereof, 475.
 Shekel, Jewish Coin, its Value, 739.
 Shell, Bone of the Ear, in Anatomy, 47.
 Shells, for Coin, 754.
 Shilling, modern English Coin, 744, 745.
 Shot, for Fowling, 1040.
 Shrubs, in Botany, Division thereof, 364.
 Shutes, Japanese Money of Account, 760.
 Skin, in Anatomy, its Figure, Colour, Uses, 56.
 Siam, Kingdom, Description thereof, 1151.
 Siava, Capitanate, 1175.
 Siberia, Province, Description thereof, 1120.
 Sicilian Vespers, Tragedy thereof, 540.
 Sicilius, their Character, 1135.
 Sicily, Kingdom, Description thereof, 1136.
 Siege of Jerusalem by Titus, History thereof, 525.
 Siege, in Fortification, how conducted, 1024, 1025.
 Sienoi, Province, Description thereof, 1132.
 Sigismund of Luxembourg, Emperor of Germany, his History, 541.
 Sigismund I. King of Poland, his History, 565.
 Sigismund II. King of Poland, his History, *ib.*
 Signature, in Book-binding, 333.
 Signs of the Zodiac, in Astronomy, 256.
 Silesia, Dutchy, Description and Division thereof, 1109.
 Silk-Spiders, divided into two Classes by M. Reaumur, a Frenchman; Description of them by M. Reaumur, their Manner of working their Bags, which Sort, and how set to work by M. Row; Opinion of M. Reaumur thereupon, Stockings made of their Silk, 122, 123.
 Silk-Worms, in Animals, Description thereof, its Manner of working, 122.
 Sillery, Fort, 1178.
 Silver, in Chymistry, History and Preparation thereof, 630.
 Silvester I. Pope, engaged the Emperor Constantine to convoke the Council of Nice. First Epocha of the Grandeur of the Court of Rome, 575.
 Silvester II. Pope, his History, 581.
 Simon I. High Priest of the Jews, his History, 512.
 Simeon II. High Priest of the Jews, his History, *ibid.*
 Simple Luxation, in Chirurgery, Cure thereof, 476.
 Sinapis, Mustard, in Botany, Description thereof, its Virtues, 381.
 Sine, in Geometry, right, versed, of obtuse Angles, 1190.
 Sine, in Astronomy, 281.
 Sine-Complement, in Geometry, 1191.
 Single Flowers, in Botany, Description thereof, 366.
 Sinister Aspect, in Astrology, 244.
 Sinus, in Anatomy, 44.
 Sissus, Pope, his History, 579.
 Sixieme, at Picket, 1065.
 Sixtus I. Pope, regulated the Fast of Lent, 573, 574.
 Sixtus II. Pope, his History, 575.
 Sixtus III. Pope, his History, *ibid.*
 Sixtus IV. Pope, his History, 584.
 Sixtus V. Pope, excommunicated Henry III. King of France, 585.
 Smolensko, Province, 1120.
 Socomusco, Province, Description thereof, 1177.
 Sogdianus, King of Babylon, his History, 517.
 Solar Month, in Calendar, what, 417.
 Solar or Astronomical Year, in Calendar, how determined, 418. Of the Egyptians, of the Jews, 419. Of the Syrians, Persians, Turks, Ethiopick, 420.
 Soleure, Canton, Description thereof, 116.
 Solid, in Geometry, 1187.
 Soliman I. Emperor of the Turks, his History, 588.
 Soliman II. called the Magnificent, Emperor of the Turks, his History, 589.
 Solomon, in Chronology, his History, 506.
 Solstices, in Astronomy, ætival and hyemal, 257.
 Sonta, Money of Account at Java, 761.
 Soissonois, Territory, Description thereof, 1094.
 Sostenus, King of Macedon, his History, 518.
 Sovereigns, old English Coin, 741.
 Soul, its Substance, according to the Epicureans, Stoicks, and Des Cartes; its Manner of residing in the Body, 112.
 South-Sea Company, in England, its first Establishment, the Advantages it gained by the Treaty of Utrecht, its first Treaty with the Spaniards, its Scheme in 1720, Design thereof, 813, 814.
 Sozars, King of Assyria, his History, 505.
 Sozarmus, King of Assyria, his History, *ibid.*
 Slate, in Building, Qualities thereof, 392.
 Sleswick, Dutchy, 1123.
 Spahis, in the Ottoman Armies, what, 225.
 Spahi-Agasi, a General Officer, in the Ottoman Armies, *ibid.*
 Spain, Kingdom, Division and Description thereof, 1129.
 Spaniards, their Character, 1130.
 Spartus, King of Assyria, his History, 505.
 Spermatick Arteries, in Anatomy, their Office, 63.
 Spermatick Vessels, in Anatomy, their Number, Situation, Magnitude; larger in Men than Women, their Use, 64.
 Sphere, in Astronomy, 255. Imagined composed of several Circles and Points, 256. Description and Doctrine thereof, 257, 258.
 Sphere, Armillary, different Sorts thereof, 289.
 Sphere, in Geometry, 1194.
 Spherical Astronomy, 255.
 Sphericity of the Terrestrial Globe; Cause thereof, according to Sir Isaac Newton, 1174.
 Sphincter Ani, its Situation and Office, 59.
 Sphincter Vesicæ, in Anatomy, its Situation and Office, 63.
 Spharoidal Sutures, in Anatomy, 46.
 Spifame, James Paul, quitted his Bishoprick to turn Calvinist, 440.
 Spina Dorsalis, Spine, in Anatomy; its Structure, Form; Division, Uses, the Parts it is composed of, how called, 49, 50.
 Spinoza, Atheist, his Doctrine, 295.
 Spinofus, a Muscle, in Anatomy, its Process, Insertion, and Uses, 93.
 Spinous Fishes, long and plain, 117.
 Spirit, in Chymistry, what, 617.
 — of Allum, Preparation thereof, its Virtues and Doses, 665.
 — of Carabe, Preparation, Doses, and Virtues thereof, 667.
 — of Guaiac, Preparation, Doses, and Virtues thereof, 671.
 — of Honey, Preparation, Doses, and Virtues thereof, 697.
 — of human Cranium, Preparation, Doses, and Virtues thereof, 696.
 — of Manna, Preparation, Doses, and Virtues thereof, 686.
 — of Nitre, Preparation, Doses, and Virtues thereof, 656.
 — of Roses, Preparation, Doses, and Virtues thereof, 677.
 — Volatile of Sal armoniac, Preparation, Doses, and Virtues thereof, 660.
 — of Salt, Preparation, Doses, and Virtues thereof, 654, 655.
 — of Salt of Saturn, Preparation, Doses, and Virtues thereof, 635.
 — of Sugar, Preparation, Doses, and Virtues thereof, 679.
 — of Sulphur, its Preparation, Doses, and Virtues, 666.
 — of Venus, Preparation, Doses, and Virtues thereof, Remarks thereupon, 636, 637.
 — of Vitriol, Preparation, Doses, and Virtues thereof, 662.
 — of Vitriol of Mars, Preparation, Doses, and Virtues thereof, 38.
 — of Water-Cresses, Preparation, Doses, and Virtues thereof, 677.
 — of Wax, Preparation, Doses, and Virtues thereof, 699.
 Spiritual Books, 328.
 Spirituous Water of Cinnamon, Preparation Doses, and Virtues thereof, 672.
 Spitberg, in Geography, 1183.
 Spleen, in Anatomy, its Figure, Situation, 62. Different Sentiments on its Use, 63.
 Squadrons, in Army, 224.
 St. Ambrose, his Doctrine of the Eucharist, 965. His Works, Remarks thereupon, by De Coetlogon, 323.
 St. Anthony, Island, Description thereof, 1171.
 St. Athanasius, Bishop of Alexandria; his Works, Remarks thereupon by the same, 321.
 St. Augustin; his Doctrine of the Eucharist, 965. his Works, Remarks thereupon by the same, 325, 326, 327.
 St. Basil the Great; his Works, Remarks thereupon, 322.
 St. Bernard, Town, 1100.
 St. Chrysostom, his Doctrine of the Eucharist, 965, 966. his Works, Remarks thereupon, by the same, 325.
 St. Christopher, Island, 1181.
 St. Clement, Bishop of Rome, 573.
 St. Croix, Island, 1181.
 St. Cyril of Alexandria, his Doctrine of the Eucharist, 965.
 St. Cyril of Jerusalem, his Doctrine of the Eucharist, *ibid.*
 St. Fabianus, Bishop of Rome, his History, 575.
 St. Flour, City, Bishop, 1098.
 St. Francisco, Island, in Africa, Description thereof, 1161.
 St. Gaudentius, his Doctrine of the Eucharist, 965.
 St. Gregory Nazianzen, his Works, Remarks thereupon, 322, 323.
 St. Gregory Nissen, his Doctrine of the Eucharist, *ibid.*
 St. Helena, Island, in Africa, Description thereof, 1161.
 St. Helena Nova, Island, in Africa, Description thereof, *ibid.*
 St. Jago, City, Bishop, 1180.
 St. James, Island, in Africa, Description thereof, 1161.
 St. Jerome, his Works, Remarks thereupon, by the same, 323, 324.
 St. John the Evangelist, his Gospel, Remarks thereupon, 318.
 St. John Damascenus, his Works, 328.
 St. Isidorus, of Damietta, his Doctrine of the Eucharist, 965.
 St.

INDEX to the FIRST VOLUME.

- St. Isidorus of Seville, his Works; History thereof, 328.
- St. *Livier*, Town, in Geography, 1100.
- St. *Nicolas*, City, Bishop, 1195.
- St. *Maria*, Island, in Africa, Description thereof, 1161.
- St. *Miguel*, Island, in Africa, *ibid*.
- St. *Palais*, City, 1100.
- St. *Papoul*, City, Bishop, 1101.
- St. *Peter-pence*, when established in England, 579.
- St. *Pol trois Chateaux*, City, Bishop, 1102.
- St. *Severet*, City, 1100.
- St. *Stephen*, Town, 1098.
- St. *Thomas*, Island, Description thereof, 1169.
- St. *Vincent*, Capitanate, 1175.
- Stair-Cases, in Building, different Sorts thereof, 399.
- Standard, in Coining, 741.
- Standard, bore by the Roman Legions, 239.
- Stars, in Astronomy, their Formation in de Coetlogon's Hypothesis, their Motion, 265. Their Latitude and Longitude, according to Hipparchus; their Magnitude, according to their different Classes; their Distance from us; have no diurnal Parallax, but an annual one, confirmed by Flamsted, 266. Their Number, divided into 48 Constellations by the Antients, into 60 by the Moderns, 267.
- State of Venice, Description thereof, 1133.
- Stater, Grecian Coin, 739.
- Statuary Columns, in Antiquities, 139.
- Statue, in Antiquities, of *Æsculapius*, 132. Of *Latona*, *ibid*. Of *Nerva*, *ibid*. Of *Minnerva*, by *Phidias*, 133.
- Statues, Greek and Roman, 139.
- Steel, in Cutlery, Preparation thereof, 863.
- Steno*, Anatomist, wrote on the upper Salival Ducts, &c. 105.
- Steno Sture*, King of Sweden, his History, 587.
- Stephen I.* King of Hungary; the Apostle of his own Kingdom, 566.
- Stephen II.* called Thunderbolt, King of Hungary; abdicated to become a Monk, *ibid*.
- Stephen III.* King of Hungary, his History, *ib*.
- Stephen IV.* King of Hungary, his History, *ib*.
- Stephen V.* King of Hungary, his History, *ib*.
- Stephen I.* Pope, his History, 575.
- Stephen II.* Pope, his History, 579.
- Stephen III.* Pope, retired into France, *ibid*.
- Stephen IV.* Pope, his History, *ibid*.
- Stephen V.* Pope, came into France, where he crowned Louis the Gentle, *ibid*.
- Stephen VI.* Pope, his Differences with Basil the Macedonian, Emperor of Constantinople, 581.
- Stephen VII.* Pope, condemned the Memory of *Formosus*, his Predecessor, *ibid*.
- Stephen VIII.* Pope, his History, *ibid*.
- Stephen IX.* Pope, his History, *ibid*.
- Stephen X.* Pope, called the Great, died with the Reputation of a Saint, 582.
- Stermaren*, Province, Description thereof, 1123.
- Sternum in Anatomy; Structures, Form, Situation, and Uses thereof, 50.
- Strin*, City, capit. 1110, 1111.
- Stipicks, in Chymistry, 701.
- Suprick-Water, in Chymistry, 661.
- Stiria*, Country, Description thereof, 1107.
- Stomach, in Anatomy; its different Membranes, Situation, Form, Orifices, Office, 58.
- Stomachick of *Poterius*, in Chymistry, Preparation thereof, its Virtues, Remarks thereupon, 646.
- Stone, in Building, different Sorts thereof, how chosen, 390.
- Stooping, in Falconry, 991.
- Streights, in Geography, 1185.
- Stucco-work, in Building, 403.
- Stuyver, Dutch Coin, 752.
- Style, in Dialling, how placed; 867, 868.
- Swabia*, Province, Description thereof, 1107.
- Subdeacons, in the Clergy, their Origin, 708.
- Sublimate, in Chymistry, corrosive of Mercury; Preparation and Virtues thereof, Remarks thereupon, 641.
- Sublimate of Arsenick, in Chymistry, Preparations and Virtues thereof, 650.
- Subtraction, in Algebra, how performed, 30.
- Subtraction of Fractions, in Species, in Algebra, 32.
- Subtraction, in Arithmetick, 197.
- Subtraction of Fractions, in Arithmetick, 212.
- of a Fraction from an Integer, 213.
- of a greater Number from a less, 197.
- of Fractions of Fractions, 213.
- of Decimal Fractions, 215.
- Suchusen*, Province, in Geography, 1154.
- Sudermania*, Province, Description thereof, 1122.
- Suenon I.* King of Norway, his History, 565.
- Suenon II.* King of Norway, his History, *ibid*.
- Suffolk, County, 1126.
- Sugar, in Chymistry, History, Preparation, and Virtues thereof, 678.
- Sugar Candy, in Chymistry, white, brown; Preparation and Virtues thereof, 679.
- Sulphur, in Chymistry; History, Preparation and Virtues thereof, 665.
- Sumatra*, Island, Description thereof, 1156, 1157.
- Sun, in Astronomy; its Nature, Figure, Situation, Surface, Molecule, 271. Its apparent Diameter, Course, Parallax, 272.
- Superficies, in Geometry, 1187.
- Superiority of the Bishop above the Priest, 704.
- Surd, in Algebra, what, 32.
- Surds, in Arithmetick; simple and compound, their Reduction, 221.
- Surry, County, 1126.
- Susa*, Province, in Geography, 1162.
- Susdal*, Province, 1120.
- Suffex*, County, *ibid*.
- Sutherland*, County, 1128.
- Sutures, in Anatomy, proper and common, Coronal, Lamboyde, Sagittal, 46. False transversal, ethmoidal, sphenoidal, zigomatick, *ibid*.
- Sutures, in Chirurgery, incarnative, restrictive, 469. Conservative, 470.
- Swamerdam*, Naturalist, 120.
- Sweden*, Kingdom, 1120. Description and Division thereof, 1121.
- Sweden*, Province, Description thereof, *ibid*.
- Swedes*, their Character, 1121.
- Switzerland*, Country, Division and Description thereof, 1115, 1116.
- Switzers*, their Character, 1116.
- Syaneurosis, in Anatomy, 44.
- Sydereal Year, in Astronomy, 284.
- Sylvius*, Anatomist, 105.
- Symbol of Nice, in Arianism, 186.
- Symbolical Columns, in Antiquities, 139.
- Sympathetick Powder, in Chymistry, Preparation thereof, Romances thereupon, Refutation thereof, 661, 662.
- Sympathetick Inks, in Chymistry; Preparation thereof, their different Effects, Remarks thereupon, *ibid*.
- Symphysis, in Anatomy, 44.
- Synarthrosis, in Anatomy, *ibid*.
- Synodical Month, in Astronomy, 275.
- Synthesiss, in Ethics, what, 938.
- Synthesis, in Chirurgery, 460.
- Syracusa*, City, Bishop, 1135.
- Syria*, Province; Description thereof, 1145, 1146.
- System of the Mississippi Company, in France; History thereof, 815.
- System, in Astronomy, 257.
- System of Ptolemy, in Astronomy; Explanation thereof, 258.
- of Copernicus; Explanation thereof, 258.
- of Des Cartes; Explanation thereof, 259.
- of the Formation of the World, 264.
- of Tycho Brahe; Explanation thereof, 263.
- of Sir Isaac Newton, of the Formation of the World; Explanation thereof, 265.
- of De Coetlogon, of the Formation of the World, *ibid*. of that of the fix'd Stars, *ibid*.
- Syzygies, in Astronomy; Explanation thereof, 275.
- T.
- T** *Abasco*, Province; Description thereof, 1177.
- Tabernacles, Jewish Feast; Solemnity thereof, 1000, 1001.
- Table of Division, in Arithmetick; Explanation thereof, 201.
- Table of Multiplication, in Arithmetick, otherwise called Pythagoras's Table; Explanation thereof, 200.
- Table of Roots, in Arithmetick; Explanation thereof, 217.
- Table of Epacts, in Calendar, 427, 429.
- Table of the Twelve Houses, in Astrology; Explanation thereof, 244.
- Tables of the Months, in Calendar, 427, 428.
- Tables of Degrees, of Latitude, and Longitude, in Geography, 1086.
- Tacket*, Father, Astronomer, 263. His Conclusions from the spherical Figure of the Earth, 264.
- Tacitus*, Historian; Reflections on his Works by Coetlogon, 330.
- Tael, Chinese Money of Account, its Value, 760.
- Tael, Japanese Money of Account, its Value, *ib*.
- Taflet*, Province, Description thereof, 1162.
- Tailleur*, at Ballet, 1067.
- Talent, Jewish Coin, its Value, 739.
- Talisman, in Astrology, 245. Astronomical, *ib*.
- Of the Egyptians, magical, mixt, *ibid*. Of the Samotracians, *ibid*.
- Talon, in Architecture, usually called Ogee by the English; Description thereof, 165.
- Tallow, in Candle-making, Qualities thereof, 456.
- Talpa, in Chirurgery, what, 465.
- Talus, in Fortification, interior and exterior; Description and Use thereof, 1015.
- Tamaraca*, Capitanate, 1177.
- Tanbus*, Kingdom, in Africa, 1150.
- Tanga, Money of Account, at Goa, its Value, 761.
- Tangent, in Algebra, 37.
- Tangent of a Conic Section, *ibid*. Method thereof, 37, 38.
- Tangent in Geometry, Rules thereof, 1190.
- Tanjour*, Principality, Description thereof, 1151.
- Tanjou*, Province, Description thereof, 1155.
- Tanteus*, King of Assyria, 505.
- Tapers, in Candle-making; Method of making them, 458.
- Tarbe*, City, Bishop, 1100.
- Tarentula, Insect, in Animals, 123. Its Form, where found, 124. Effects of its Bite. M. Geogfroy, and Dr. Mead's Opinion thereupon, *ibid*. De Coetlogon's Sentiment, 125.
- Targa*, Kingdom, in Asia, 1163.
- Tarsus, in Anatomy, its Composition, Situation, Uses, 54, 55.
- Tart, in Cookery, 833. Of Crawfish, Oysters, Spinage; Method of making them, *ibid*.
- Tartar, in Chymistry, History thereof, 681.
- Tartar, soluble; Preparation thereof, its Virtues, *ibid*.
- Tartar, chalibeated, Preparation thereof, its Virtues, 683.
- Tartar, soluble chalibeated; Preparation thereof, its Virtues, *ibid*.
- Tartar, emetick; Preparation thereof, its Virtues, *ibid*.
- Tartar, dissoluble Emetick; Preparation thereof, its Virtues, *ibid*.
- Tartar vitriolated; Preparation thereof, its Virtues, 684.
- Tartars*, their Character, 1154.
- Tartary*, Great, 1154. Description thereof, 1155.
- Taste, in Anatomy, Theory thereof, 91.
- Tatian*, sacred Writer, his Works; Remarks thereupon by Coetlogon, 320.
- Tatius*, Achilles, his Sentiment on the Invention of Astronomy, 292.
- Tatta*, Kingdom in Asia, 1150.
- Tauvry*, M. a Frenchman; his Sentiment on the pulmonary Artery, 76.
- Techert*, Province, Description thereof, 1162.
- Teeth, in Anatomy, 48. Their Number, different Uses, Division into Incisors, Dog-teeth, and Grinders, 49.
- Tegorazin*, Province, Description thereof, *ibid*.
- Telescope, in Astronomy, Composition thereof, 289.
- Telephorus*, Pope, his History, 574.
- Temesna*, Province, Description thereof, 1161.
- Temeswar*, City, in Geography, 1141.
- Temperance, in Ethics, Definition and Species thereof, 950. Vices opposite to it, *ib*.
- Tempering, in Cutlery, Knives, Lancets, Razors, Scissars; Method thereof, 863.
- Temples, in Antiquities, 133.
- Temple, called the Pantheon, at Rome, *ibid*. Description and History thereof, 133, 134.
- of Fortuna Virilis, at Rome; Description and History thereof, 134.
- of Vesta at Rome, almost ruined; Description and History thereof, *ibid*.
- of the Peace, at Rome, ruined, History thereof, *ibid*.
- of Mars the Avenger, at Rome, ruined; Description of the Ruins, and History thereof, *ibid*.
- of Nerva, at Rome, ruined; Description of the Ruins, and its History, *ibid*.
- of Vulcan, at Rome, ruined, Ruins and History thereof, *ibid*.
- of Jupiter the Thunderer, at Rome, ruined; Ruins and History thereof, *ibid*.
- of the Concord, at Rome, ruined; Ruins and History thereof, *ibid*.
- of Neptune, at Rome, ruined; Ruins and History thereof, 135.
- of Vesta, at Tivoli, Description and History thereof, *ibid*.
- of Castor and Pollux, at Naples, ruined; Ruins and History thereof, *ibid*.
- at Pola, History thereof, *ibid*.
- of Vesta, at Nismes, in Langedoc, History thereof, *ibid*.
- Temples mistaken for Basilicas, *ibid*.
- Temples built since the Ruin of the Roman Empire, what, *ibid*.
- Temples, in Building; their Structure, according to Palladio's Method, 405.
- Temples,
14 H

INDEX to the FIRST VOLUME.

- Temples, distinguished by Vitruvius into Temples in Antis, 407. Amphiprostyle. Dioptere. Hexastyle. Octastyle. Pireptere. Prostyle. Pseudodiptere. Terrastyle, Structure thereof, *ibid*.
- Tenaille, in Fortification, double, simple, Construction, Situation, and Use thereof, 1016.
- Terms, in Antiquities, 138.
- Terms, technical, of Chymistry, 622.
- Terminalia, Feast of the Romans, 994. Solemnity thereof, 995.
- Termini, Rivers in Sicily, Source, Course, and History thereof, 1135.
- Terra Australis, History thereof, 1183.
- Terra di Lavauro, Province, Description thereof, 1132.
- Terra di Otranto, Province, Description thereof, 1133.
- Terrestrial Animals, Division and History thereof, 116, 117.
- Terrestrial Globe, in Geography, its Circuit, Diameter, Surface, and Solidity, 1083, 1084, 1085.
- Terrestrial Globe, artificial, Structure thereof, 1086. To find on the terrestrial Globe, the Longitude and Latitude delineated thereupon, *ibid*. To find a Place, the Latitude and Longitude being given, *ibid*. To find the Antiacians, Periacians, &c. To find what Place of the Earth the Sun is vertical to, at any Time assign'd, 1086, 1087. A Place being given in the torrid Zone, find two Days in the Year, wherein the Sun is vertical to the same, 1087. Find those Places in the torrid Zone, to which the Sun is vertical in a given Day, *ibid*. Find the Latitude of Places, wherein any given Day, is of any given Length, *ibid*. Any Hour of the Day, or Night being given, to shew all the Places to which the Sun rises and sets; where it is Noon or Midnight, and where Day or Night. Find what Places of the Earth a Planet is vertical to, any Day of the Year, *ibid*. Find the Distance of two Places on the Globe, *ibid*.
- Terskoy, Province; Description thereof, 1120.
- Tertullian, sacred Writer, his History, 320. his Works, Remarks thereupon by De Coetlogon, 320, 321.
- Tessaceous Fishes, in Animals, Division thereof, 113.
- Testicles, in Anatomy, their Substance, Composition, Number, Situation, Uses, 64.
- Testicles, in Women, their Figure, Substance, Situation, Uses, 66.
- Testoon, old English Coin; its Value, 741.
- Teviodal, Province, Description thereof, 1127.
- Thavastus, Province, Description thereof, 1122.
- Thare, in Chronology, 502.
- Thebes, City, in Geography, 1139.
- Thebitius, Astronomer, 258.
- Theodelinde, Queen of the Lombards, her History, 556.
- Theodoret of Cyr, deposed by the Eutychians, 982.
- Theodorick I. King of the Visigoths, his History, 542.
- Theodorick II. King of the Visigoths, killed at Toulon, in Provence, *ibid*.
- Theodorus Beza, Paranympus of the Calvinists, his Birth and Character, 449. His Speech at the Colloquy of Poissy, 450.
- Theodorus Lascaris, Emperor of Constantinople, expelled from it by the French, 537.
- Theodorus II. called the Younger, Emperor of Constantinople, his History, *ibid*.
- Theodorus I. Czar of Muscovy, his History, 563.
- Theodorus II. Anti-pope, his History, 586.
- Theodosius called the Great, Emperor of the East, his History, 533.
- Theodosius II. Emperor of the East, his History, *ibid*.
- Theodosius Adramitanus, Emperor of the East, 535.
- Theudis, King of the Visigoths, his History, 543.
- Theudisile, King of the Visigoths, massacred, *ibid*.
- Theophylactus, Anti-pope, his History, 586.
- Theophilus I. Emperor of Constantinople, his History, 536.
- Theorems, in Algebra, 28. Local, 28. Negative, Particular, Plane, *ibid*. Reciprocal, 29. Solid, *ibid*. Universal, 28.
- Theorems, in Geometry, 1186.
- Theoretical Arithmetick, 221.
- Theory of the principal Symptoms of a Fever, 685.
- Therapeutics, in Clergy, their History, 720. Sentiment of F. Heliot thereupon, *ibid*.
- Thereoides Cartilage, in Anatomy, 79.
- Theffaly, Province, Description thereof, 1139.
- Thilet, Province, in Geography, 1154.
- Thierry I. King of France, his History, 546.
- Thierry II. King of France, his History, *ibid*.
- Thorax, in Anatomy, its Situation, Figure, Composition, Uses, 1154, 1155.
- Thrushes, in Fowling, 1046.
- Thurston, Dr. an Englishman, wrote on Respiration, 105.
- Tiberius, Roman Emperor, in Chronology, 522. His History, 523.
- Tiberius Flavius, Emperor of the East, 534. His remarkable Speech to Mauricius, his Successor, *ibid*.
- Tibia, in Anatomy, 54.
- Tibellus, a Poet, 329.
- Tical, Indian Coin, its Value, 754.
- Tierce, in Fencing, 4.
- Tierce, at Picquet, 1065.
- Tigree, Kingdom, Description thereof, 1165.
- Tierathe, Territory, 1093.
- Timariots, in the Turkish Army, their Origin, Service, Pay, 240.
- Timber, in Building, Qualities thereof, 391.
- Timor, Island, Description thereof, 1157.
- Tin, in Chymistry, Definition thereof, 631. Its principal Characters and Properties, according to Boerhaave, *ibid*. Its Conformity with Silver, the best Tin, its Purification, *ibid*. Calcination, 631. Sublimation, *ibid*.
- Tincture of Silver; Operation thereof, its Virtues, 630.
- of Mars with Tartar, Preparation and Virtues thereof, 638.
- of Antimony, Preparation thereof, its Virtues, 649.
- green, of Antimony, Preparation thereof, its Virtues, *ibid*.
- red, of Glass of Antimony, Preparation thereof, its Virtues, *ibid*.
- of Flints, Preparation and Virtues thereof, 653.
- of Carabe, Preparation and Virtues thereof, 667.
- of Cinnamon, Preparation and Virtues thereof, 672.
- of Quinquina, Preparation and Virtues thereof, 673.
- of Juniper-berries, Preparation and Virtues thereof, 674.
- of Salt of Tartar, Preparation and Virtues thereof, 683.
- of Opium, called Laudanum, Preparation, Doses, and Virtues thereof, 686.
- of Myrrh and Aloes, called Elixir Proprietatis, Preparation thereof, its Virtues, 688.
- of Benzoin, Preparation and Virtues thereof, 690.
- of Myrrh, Preparation thereof, its Virtues, 691.
- Tiroen, Province, Description thereof, 1129.
- Tipperary, Province, Description thereof, *ibid*.
- Tiffet, Province, Description thereof, 1173.
- Tythes, when first established, 716.
- Titles, requisite in the Roman Church, to be ordain'd Priest, 709.
- Titus, Roman Emperor, in Chronology, his History, 508, 509.
- Tlascalla, Province, Description thereof, 1477.
- Tobacco, in Botany, History thereof, 381. Its Virtues, 382.
- Tobiab, in Chronology, his History, 508, 509.
- Toes, in Anatomy, their Number and Figure, 55.
- Toland, profess'd Atheist, his History, 301.
- Toman, Persian Money of Account, 760.
- Tongue, in Anatomy, its Situation, Texture, 90. Its Use, 91.
- Tonquin, Kingdom, Description thereof, 1152.
- Tormentilla, Tormentille, in Botany, Description and Virtues thereof, 382.
- Tornlapmark, Province, Description thereof, 1122.
- Torus, in Architecture, 168.
- Toulon, City, Bishop, 1103.
- Toulouse, City, Archbishop, 1103.
- Toulousain, Territory, Description thereof, 1101.
- Touraine, Province, Description thereof, 1096.
- Tournay, City, Bishop, 1112.
- Tournefort, a celebrated French Botanist, 363.
- Tournon, Cardinal de, his Speech to Francis I. King of France, to dissuade him from favouring the new Religion, 435. Asks at the Colloquy of Poissy, that the Speech of the Chancellor de l'Hospital, should be delivered in Writing, 450.
- Trading Towns, chief, in Africa, their several Products, and Commodities, 758.
- in America, their several Products and Commodities, *ibid*.
- in Arabia, their several Products and Commodities, *ibid*.
- in China, and Tonquin, their several Products and Commodities, *ibid*.
- in Denmark, their several Products, 749.
- in East-Indies, their several Products, and Commodities, 758.
- in France, their several Products and Commodities, 749.
- in Georgia, in Asia, their several Products and Commodities, *ibid*.
- in Germany, their several Products and Commodities, *ibid*.
- in Great-Britain, their several Products and Commodities, *ibid*.
- in Ireland, their several Products and Commodities, *ibid*.
- in Italy, their several Products and Commodities, *ibid*.
- in the Low-Countries, their several Products and Commodities, *ibid*.
- in Norway, their several Products and Commodities, *ibid*.
- in Poland, their several Products, *ibid*.
- in Portugal, their several Products and Commodities, *ibid*.
- in Russia, their several Products and Commodities, *ibid*.
- in Spain, their several Products and Commodities, *ibid*.
- in Sweden, their several Products, *ibid*.
- in Tartary, their several Products, 760.
- in Turkey, in Asia, their several Products and Commodities, *ibid*.
- in Turkey, in Europe, their several Products and Commodities, *ibid*.
- Transplantation of grown Trees, in Agriculture, how effected, according to the Method of M. Evelyn, 13.
- Transplanting Trees of all Kinds and Ages, according to M. Bradley's Method, *ibid*.
- Trees of English Growth, as distinguished by M. Ray into Bacciferous, Coniferous, Nuciferous, 364. Lanigerous Trees, *ibid*.
- Trench, in Fortification, how open'd, how advanced, how fortified, 1026.
- Triumphal Columns, in Antiquities, 139. Graminalis, Muralis, Navalis, Obsidionalis, Ovans, Triumphalis, Vallaris, Description thereof, *ibid*.
- Triumphal Arches, in Antiquities, Description thereof, *ibid*.
- Triumvirate, French, under Charles IX. why thus called; their Measures against the Queen Mother, and to suppress Calvinism; gain Anthony King of Navarre to their Party, and the Parisians; succeed in all their Enterprizes, and beat the Rebels, 453, 454.
- Troop, in Army, Officers thereof, their respective Duties, 224.
- Tropicks, in Astronomy, whence their Name, 257.
- Tropicks, in Geography, of the Cancer, and and of the Capricorn, 1076. Their Uses, 1077.
- Troy-weight, in Commerce, 762. Averdupoise, 763. Apothecaries, *ibid*.
- Truth, in Etliicks, 949.
- Tully's Sentiment on Astrology, 245.
- Tumours in Chirurgery, 461. ankist, critical, *ibid*. malignant, 462. natural, 461. Difference between them and Abscesses, Cure thereof, *ibid*.
- Turbith, Mineral, in Chymistry, its Preparation and Virtues, 643.
- Turenne, Marshal of, a great French General, his Conduct in the Command of an Army, 233.
- Turin, City, capit. Archbishop, 1134.
- Turkish Hungary, Description thereof, 1141.
- Turkish Croatia, Description thereof, *ibid*.
- Turkish Dalmatia, Description thereof, *ibid*.
- Turks, their Character, in Europe, 1137. In Asia, 1144.
- Turkey, in Europe, Empire, 1137. Description thereof, 1138. In Asia, 1144.
- Turnament, in Guming, Origin and Rules thereof, 1058.
- Turpentine, in Chymistry, History thereof, its Virtues, 689.
- Tuscan Order, in Architecture, how called by Vitruvius; M. Cambray, and Le Clerc's Opinion thereupon. Palladio and Mauciere's Instructions for it, 168. Those of Vitruvius, and others, 169. Origin thereof, 179.

- Tuscany*, Dutchy; Description thereof, 1132.
Tussilago, Horse-foot, in Botany; Description thereof, 382. Its Virtues, 383.
Tweedale, County; Description thereof, 1127.
Tycho Brahe, celebrated Astronomer, 263.
Tychonick System; Origin and Theory thereof, 262. Improved by Kepler, 263.
Tygris, River, in Asia; Source and Course thereof, 1145.
Tyles, in Building, 392. Different Sorts thereof, 393. Their Dimensions by Statute, *ibid.*
Tympanum, in Anatomy; its Situation, Texture, Figure, and Uses, 47.
Tyrconnel, County, Description thereof, 1129.
Tyrol, Country, Description thereof, 1106, 1107.
- V.
- V***achines*, Province, Descript. thereof, 1120.
Val di Demona, Province, in Sicily; Description thereof, 1136.
Val di Lazaro, Province, in Sicily; Description thereof, *ibid.*
Val di Noto, Province, in Sicily; Description thereof, *ibid.*
Valachia, Province; Description thereof, 1141.
Valachians, their Character, 1142.
Valdemar, King of Sweden; his History, 587.
Valence, City, Bishop, 1102.
Valence, Kingdom, Description thereof, 1130.
Valentine, Pope, his History, 580.
Valentinian I. Emperor, his History, 530.
Valentinian II. Emperor, his History, *ibid.*
Valentinian III. Emperor, his History, 531.
Valerian, Roman Emperor, his History, 528.
Valeriana sylvestris, Valerian, in Botany; Description thereof; its Virtues, 382.
Valerius Flaccus, a Poet, his Works; Remarks thereupon, 329.
Valerius Flaccus, Historian, his Works, Remarks thereupon, 330.
Valois, Territory of, Description thereof, 1094.
Valtelline, Country, Description thereof, 1116.
Van-Guard, in Army, how drawn to Advantage, 232.
Van Helmont, famous Alchymist, 26.
Vannes, City, Bishop, 1096.
Varices, in Chirurgery, 462.
Vasa deferentia, in Anatomy; their Colour, Figure, Situation, Process, Use, 65.
Vauban, M. a celebrated French Engineer, his Method of a regular Pentagon, 1016, 1017. His great Lunettes, 1018. His Method of fortifying Places in a Campaign, both ancient and modern; seven excellent Maxims of the latter, 1020. How to make the Flanks and cover them, to raze the Ditch, shelter the Bastions, secure Places or Passages for Sallics; make the Outworks, cover well the Counterscarp, 1019. His Manner of disposing Flanks, and Faces, 1020. Of making a Counterscarp, 1021.
Uleffa, Kingdom; Description thereof, 1150.
Vegetation in Botany, Theory thereof, 350, 351, 352. Sentiment of Aristotle, St. Augustin, and Malpighi thereupon, 350. Of Dr. Woodward, 353. Of De Coetlogon, 354, 355. Explanation of all the Phenomena thereof by De Coetlogon, 337, 338.
Veins, in Anatomy, Definition thereof, 104.
Veins, their Progress, Anastomoses, Valves, Coats, Distinction with respect to their Situation, *ibid.* Their Number, 105.
Vellay, Territory, Description thereof, 1100.
Vena cava, in Anatomy; its Magnitude, Insertion, Coats, Uses, 74.
Vena pulmonaris; its Situation, Insertion, Process, Office, *ibid.*
Vena lactea, in Anatomy, discovered by Asellius; two Sorts of them, their Progress, Office, 60.
Veneral Tumours, in Chirurgery, 467.
Veneral Buboes, in Chirurgery; their Symptoms, and Cure, *ibid.*
Veneral Disease; Origin thereof, attributed to Job by some Authors, to the Indians by others, to the Neapolitans by the French, to the French by the Italians and English, and to the Bite of a Scorpion, by Dr. Lister, 473. Its true Origin, according to De Coetlogon, 473, 474. Division thereof into several Stages, *ibid.* Its Cure, as attempted by Dr. Cockburn, Pitcairn, Lister, Blegny, 474. L'Emery, 475.
Venice, City, capit. patriarch. 1133.
Ventricles of the Brain, in Anatomy; their Number, Origin, Figure, 81. Their Situation, Partition, Office, according to Dr. Willis, and the Antients, *ibid.* According to the Moderns and M. de la Chambre, *ibid.*
Ventricle, or Rima; its Situation, Composition, different Sentiments of Authors thereupon, its Office, *ibid.*
Ventricles of the Heart, in Anatomy; their Situation, Texture, Number, Partition, Parietes, 73. Auricles, Motion, Office; Sentiment of Des Cartes thereupon, 74. Of other Authors, 751.
Venus, in Astronomy; its Diameter, Light, 284. Discoveries of La Hire, Cassini, and Campini; Sentiment of Dr. Gregory thereupon, 285. Its Phenomena; visible Conjunction with the Sun, its Distance from it, from the Earth, its Motion, *ibid.* Its Passage within the Sun; the next, according to Dr. Halley, *ibid.*
Veraqua, Province, Description thereof, 1175.
Vera-Paz, Province, Description thereof, 1177.
Verden, Dutchy, Description thereof, 1122.
Vermandois, Territory, Descript. thereof, 1093.
Vermiculation, in Botany, 384.
Kermilli, Peter, alias Martyr, his Character, 449. His Speech at the Colloquy of Poissy, 451. Refuted by F. Layne, General of the Jesuits, *ibid.*
Véronese, Province, Description thereof, 1133.
Vertebrae, in Anatomy, 49.
Vertebrae of the Back; their Situation, Figure, Number, Office, 50.
Vertebrae of the Loins, their Situation, Figure, Number, Office, *ibid.*
Vertebrae of the Neck; their Situation, Figure, Number, Office, 49.
Vertipalate Plants, in Botany, 368.
Kesalius, Flemish Physician, the first who set Anatomy on a tolerable Footing, 105.
Kespius, Roman Emperor; his History, 525.
Vesiculae seminales, in Anatomy; their Formation, Figure, Breadth, Situation, Office, 65.
Vexin, Territory, Description thereof, 1094.
Vicentine, Province; Description thereof, 1134.
Victor I. Pope; sent Evangelists into Scotland, 574.
Victor II. Pope, his History, 582.
Victor III. Pope, his History, *ibid.*
Vienna, in Austria, City, capit. Archb. 1102.
Vienne, in Dauphine, City, Archb. 1102.
Vieuissens, French Anatomist, wrote on the Anatomy of the Brain and Nerves, 105.
Vigil, or Eve, Origin thereof; how celebrated, 1002.
Vigilius, Pope, his History, 577.
Vignola, Architect, 170.
Villa's of the Antients, in Antiquities; Description thereof, 143, 144.
Vindication, in Ethics, 949.
Vine, in Agriculture, several Kinds thereof, 10. Those proper for the English Climate; propagated by Slips, Layers, or Sucklers; how to be planted, how cultivated, 10, 11.
Vinegar, in Chymistry; History, Preparation, and Virtues thereof, 681, 682.
Vineyard, in Agriculture; its best Situation, Qualities of its Soil, 10. English Vineyards, 11.
Vintem, Portuguese Coin, its Value, 751.
Vintini, Money of Account at Goa, 761.
Viola martia, Violet, in Botany; Description thereof, its Virtues, 382.
Viper, in Chymistry; its Form, Male, and Female, Particularities of the Male; where found; when to be taken, 692. Esteemed sacred by the Antients, according to Dr. Mead, *ibid.* Its Bite, how to be cured, according to Mess. Boyle, l'Emery, and Dr. Mead, *ibid.* How it conveys its Poison, according to Van Helmont, Roterius, Chiarras, Redi, De Coetlogon, 693. Symptoms attending its Bite, 694. Chymical Preparations of the Vipers; Remarks thereupon, *ibid.*
Virga aurea, golden Rod, in Botany; Description thereof, its Virtues, 372.
Virgil, Prince of the Latin Poets; his Works, Remarks thereupon, 329.
Virginia, Province, Description thereof, 1179.
Virginians, their Character, *ibid.*
Virgo, in Astronomy, the Stars it contains, 281.
Virtue, in Ethics, imperfect, middle, and perfect State thereof, 946.
Virtues, in Ethics, *ibid.* Cardinal, concomitant, *ibid.* Habitual, 944. Moral, 945. Theological, 944.
Vishapur, Kingdom, Description thereof, 1150.
Viscum, Mistletoe, in Botany, History, Description, and Virtues thereof, 382.
Visibility of the Church; granted by Calvin himself, 598. Proofs thereof by the Scripture, Symbols, and St. Augustin, *ibid.* Disputed by none but Hereticks, 599.
Vision, intuitive, in Ethics, 928.
Vista, in Agriculture, what, 19.
Vitalian, Pope, his History, 578.
Vitellius, Emperor, his History, 524.
Vitika, King of the Visigoths, his History, 543.
Vitreous Humour of the Eye, in Anatomy; its Situation and Use, *ibid.*
Vitriol of Copper, or of Venus, in Chymistry, Preparation thereof, its Virtues, 636.
Vitriol of Mars, in Chymistry; Preparation thereof, its Virtues, Remarks thereupon, 638.
Vitriol, in Chymistry; blue, green, white, red; their respective Qualities, 661. Its Calcination, *ibid.* Distillation, 662. Virtues thereof, *ibid.*
Vitruvius, Architect, 164.
Vivarais, Province, Description thereof, 1101.
Viviers, City, Bishop, *ibid.*
Viviparous Fishes, in Animals; Division thereof by Willoughby, 117.
Vivone, Dutchy, Description thereof, 1097.
Ulcer, in Chirurgery, 472. Cancrous, Cancerous, Corrosive, Fistulous, Putrid, Simple, Shallow, Sinous, Varicous, Verminous, Descriptions thereof; Cure of all those different Sorts of Ulcers, 473.
Upan, antient celebrated Lawyer, 330.
Umalapmark, Province, Description thereof, 1122.
Umbria, Province, Description thereof, 1132.
Umprage, in Commerce, Form thereof, 821, 822.
Understanding, in Animals, active and passive, 112. Sentiment of the Peripateticks, and of Des Cartes thereupon, *ibid.*
Underwalden, Canton, Description thereof, 1116.
United Provinces, in Geography, Description and Division thereof, 1113, 1114.
Unity of the Christian Church; Origin thereof, 599. How preserved in the primitive Church, 599, 560. How it could be procured at present, *ibid.*
Volatiles, in Animals, terrestrial and aquatick, 118, 119.
Vole, at Ombre, Advantages thereof, 1061.
Volute, in Architecture, what, 165.
Votienus, Orator, 329.
Upland, Province, Description thereof, 1122.
Uruguay, Province, Description thereof, 1175.
Urbanus I. Pope, introduced in the Ministry of the Altar the Use of Silver Chalice, 574.
Urbanus II. Pope, his History, 582.
Urbanus III. Pope; died of Sorrow for the Loss of Jerusalem, *ibid.*
Urbanus IV. Pope, his History, 583.
Urbanus V. Pope, his History, 584.
Urbanus VI. Pope, his History, *ibid.*
Urbanus VII. Pope, his History, 585.
Urbanus VIII. Pope, his History, *ibid.*
Urbino, Dutchy, Description thereof, 1132.
Ureters, their Situation, Texture, Length, Process, Uses, 63.
Urethra, its Substance, Texture, Situation, Uses, 66.
Uri, Canton, Description thereof, 1116.
Urine, in Chymistry, Preparation thereof, 695.
Urta major, in Astronomy, the Stars it contains, 281.
Urta minor, in Astronomy, the Stars it contains, *ibid.*
Urance, in Commerce, 779. Of Italy, Spain, Portugal, *ibid.* Of France, England, Flanders, Holland, *ibid.* Of Dantzick and Cönnigsberg, *ibid.* Of Germany, *ibid.* Of Amsterdam, *ibid.*
Usher, Primate of Ireland, his Sentiment of Amalarius on the Eucharist, 960.
Utrecht, Lordship, 1113. Description thereof, 1114.
Uvea, in Anatomy; its Process, Texture, Situation, Uses, 85.
Uvula, in Anatomy; its Figure, Texture, Uses, 90.
- W.
- W***achtendonk*, Bishop, 1114.
Wadischwill, Town in Switzerl. 1116.
Wag, Town in Switzerland, 1116.
Wageningen, Town, 1114.
Wagheren, Province, 1123.
Wakes, in Feasts; Origin thereof, how kept in England, 1002.
Walcheren, Island, 1114.
Waldeck, County, Description thereof, 1108.
Waldfut, Imperial Town, 1107.
Wales, Principality, History thereof, 1124. Division and particular Description thereof, 1126.
Wall, in Building, Distinction thereof by the modern Architects, into Brick-Walls, Method of raising them, both in Winter and in Summer; their Thickness and other Dimensions, 395. Sentiment of Palladio thereupon, *ibid.* Cement-Walls, Method of the Antients in raising them, *ibid.* Flint, or Boulder-Walls. Method of raising them, their

INDEX to the FIRST VOLUME.

their Use, *ibid.* Mud or plaister'd Walls, how raised, *ibid.*
 Wall in the Front and Rear, Party, how to be built, by Statute, in England, 396.
Wallia, King of the Visigoths, his History 542.
 Walnut-trees, in Chymutry, History thereof, 678.
Wan, City, in Turcomania, 1147.
Waranger, City, in Norway, 1123.
Warberg, City, in Zeland, 1107.
Wardal, City, in Norway, *ibid.*
Wardbus, Government, in Norway, 1123.
Wardbus, Town, in Norway, *ibid.*
 Warble to, in Falconry, 991.
 Wars, Roman, in Chronology, 521. Asiatick, *ibid.* Jugurthine, *ibid.* Numentian, *ibid.* Punick, *ibid.*
Warsaw, City, in Poland, 1142.
Wartemburg, Barony, 1109.
Warwick, County, Description thereof, 1126.
 Waste-Book, in Book-keeping, 335.
 Watch, in Clock-making, how made, 727.
 Water in Chymutry, of Allom, Distillation thereof, its Virtues, 665. Of Carduus Benedictus, Distillation thereof, its Virtues, 675. Of Cinnamon, Distillation thereof, its Virtues, 672. Water of Hart's-Horn, Distillation thereof, its Virtues, 695. Of Juniper-berries, its virtues, 675. Of Melissa, preparation thereof, its virtues, *ibid.* Of Orange-Flowers, Distillation thereof, 678. Of Roses, Preparation thereof its virtues, 647. Of Viper, Sudorick, Distillation thereof, its Virtues, 694. Of Walnuts, Distillation thereof, its Virtues, 678.
 Water, in Elements, of Boerhaave, 906, 907. Of Des Cartes, 906. Of the Epicureans, *ibid.* Of Helmont, 908. Of Thales Milesius, 907.
 Water-Dog, in Fowling, how chosen, how taught, 1057.
 Waterford, County, Description thereof, 1129.
 Water-Gilding, in Gilding, Art thereof, 1261.
 Wax, in Chymutry, History and Preparation thereof, its Virtues, 697.
 Wax-Candles, in Candle-Making, Art thereof, 457.
 Week, in Calendar, its Division into seven Days, Origin thereof, how called by the Jews, *ibid.* Origin thereof, among the Romans, Greeks, Italians, Celts, Slavonians, according to Grotius, 417. Names of the several Days of the Week, among the Heathens, Reason thereof according to Dion Cassius, *ibid.*
Weickerheim, City, Imperial, 1108.
 Weight, in Commerce, African, 765. Chinese, *ibid.* Dutch, 764. English, Foreign and Domestick, 762; 763. French, *ibid.* German, *ibid.* Grecian, 762. Of Java, 765. Jewish, 762. Italian, 764. Muscovite, *ibid.* Persian, 765. Portuguese, 764. Roman, 762. Of the States of the Mogul, 765. Of Siam, *ibid.* Spanish, 763. Turkish, 764.
Weimar, Dutchy, Description thereof, 1110.
Weissburg, Imperial Town, 1107.
 Weld, in Dying, History thereof, 880.
Weldentz, Town, in the Archbishop of Triers, 1114.
Welch, their Character, 1124.
Wenceslaus I. King of Bohemia, his History, 569.
Wenceslaus II. King of Bohemia, his History, *ib.*
Wenceslaus III. King of Bohemia, his History, *ib.*
Wenceslaus IV. King of Bohemia, his History, *ib.*
Wermeland, Province, Description thereof, 1122.
West-Friesland, Principality, Description thereof, 1114.
Westmania, Province, Description thereof, 1122.
Westmeath, County, Description thereof, 1129.
Westphalia, Circle, 1111. Description thereof, 1112.
Westrogothy, Province, Description thereof, 1122.
Wexford, County, Description thereof, 1128.
Wharton, Dr. English Anatomist, wrote on the Glands, 105.
 Wheel, in Clock-making, crown, contract, great, 727.
Whiston, Mr. a celebrated English Astronomer, his Theory of the Deluge, 128. Refuted by D. Cretlogon, 128, 129.
Whistonia, Country, Description thereof, 1118.
Wiatko, Province, Description thereof, 1120.
Wiburg, Bishop, in North Jutland, 1123.
Wight, Island, Description thereof, 1125.
Wicken, Town, in Switzerland, 1116.
Wicke-Duerfled, Town, 1114.

Wildenberg, Town, in the Dutchy of Bergues, *ibid.*
 Will, Voluntas, Definition thereof, Father Malbranche's Opinion thereupon, 112.
William the Conqueror, Duke of Normandy, and King of England, his History, 558.
William II. called Rufus, King of England, killed in the new Forest, *ibid.*
William III. King of Great Britain, his History 560.
Willis, Dr. English Anatomist, 73.
Willoughby, Mr. an English Naturalist, his Division of Fishes into oviparous and viviparous, 117.
Wiltz, County, Description thereof, 1126.
 Wind, in Geography, Division thereof, 1078. Cardinal, Collateral, *ibid.* How used by the antient Greeks, 1078, 1079.
 Windows, in Building, their Dimensions, Rules thereof, 397.
 Windows, Architrave, how made, Dormer, Luthern, Transan, Rules thereof, *ibid.*
 Wine, in Agriculture, making, fining, tunning, 11.
 Wine, English, Method of making it according to Mess. Mortimer and Bradley, *ibid.* Method of fermenting, *ibid.* Goodness of Wine, *ibid.*
 Wine in France, how distinguish'd, pressed, sweet, Bouru, Cuve, Cuit, strained.
 Wines, distinguish'd with Regard to their Colour, to their Qualities, *ibid.*
 Wine, natural, *ibid.* Pricked, flat, sulphured, Colour, Chip, Rapes, *ibid.*
 Wine, in Chymutry, Theory of its Fermentation, Distillation thereof into Brandy, Dissertation thereupon, Spirit thereof, Dissertation thereupon, 680.
Winheim, Imperial Town, 1108.
Winshoten, Town, 1114.
Wirtungus, Anatomist, 105.
Wirtzberg, Bishop, 1108.
Wise, Mr. a celebrated English Gardener, 21.
Wijmar, Lordship, Description thereof, 1122.
Witerick, King of the Visigoths, his History, 343.
Witgentren, County, 1108.
Witlick, Town, in the Arch. of Triers, 1114.
Wittemberg, City, in Saxony, 1110.
Witrenhausen, Town, 1108.
 Woad, in Dying, History thereof, 880.
Woborg, City, in Zeland, 1123.
Woerden, Town in Holland, 1114.
Wolaw, Dutchy, 1109.
Wolmar, Melchior, a Lutheran, 437.
Wolodimeria, Province, 1120.
Wolodimir I. Duke, or Prince of Muscovy, his History, 562.
Wolodimir II. great Duke of Muscovy, his History, *ibid.*
Wologda, Province, Description thereof, *ibid.*
Woodward Dr. his Theory of the Deluge, 129. Refutation thereof, 130.
 Wood-lark, in Fowling, History thereof, 1046. 1047.
Worcester, Province, Description thereof, 1126.
 Works, sacred, of Cassiodorus, Remarks thereupon, 327.
 — of Evagrius, Remarks thereupon, 328.
 — of Socrates Ammonius, Remarks thereupon, *ibid.*
 — of Sozomene, Remarks thereupon, 327.
 — of Theodoret, Remarks thereupon, *ibid.*
 — of Theodorus the Reader, Remarks thereupon, *ibid.*
 — of the venerable Bede, Remarks thereupon, *ibid.*
Workum, Town, in Friseland, 1114.
Woratin, Province, Description thereof, 1120.
 Wort, in Brewing, 387.
Worte, Town, 1109.
Wotton, Sir Henry, Architect, his Sentiment on the Foundation of Building, 394.
 Wound, in Chirurgery, Definition thereof, 468. Two Things to be consider'd first in Wounds, *ibid.* Difference thereof, *ibid.* simple, complicated, dangerous, mortal, *ibid.* History thereof, as deliver'd by Boerhaave, *ibid.*
 Wounds, dangerous in Children, *ibid.* Cure of Wounds, *ibid.* Symptoms of Wounds, 469. Re-union of Wounds, how procured, *ibid.* what's to be done in large Wounds, *ibid.* Consequences drawn from Wounds, *ibid.*
 Wounds, superficial, deep, 470.

Wounds of the Face, how to be treated, *ibid.*
 Wounds of the Breast, how treated, *ibid.* How, when it penetrates the Capacity of the Breast, *ibid.*
 Wounds of the Abdomen, how treated, 471.
 Wounds made with Fire-arms; how treated, *ibid.* How when they penetrate the Substance of the Brain, *ibid.* How when deep, when attended with the Gangrene, *ibid.*
 Wreft, itinerary Measure, in Geography, 1089.
 Wrestling, Game, in Gaming, how practised in Britanny, 1057.
 Wrestling Palastra, Antiquity thereof, 215.
 Writing of Decimal Fractions, 215.
Wulffhagen, Town in the Lordship of Rapin, 1110.
Waltow, Prefecture, in Geography, 1109.
Wzerwold I. great Duke of Muscovy, his History, 562.
Wzerwold II. great Duke of Muscovy, his History, *ibid.*

X

X *Alisco*, Province, Descript. thereof, 1177.
Xanfi, Province, Descript. thereof, 1154.
 Xanthium, less barre, in Botany, Description thereof; its Virtues, 184.
Xantung, Province, Description thereof, 1153.
Xaon, City, in China, *ibid.*
Xativa, Bishoprick, in Spain, 1130.
Xenfi, Province, Description thereof, 1154.
Xeres de la Frontera, City in Andalusia, 1130.
Xerif, Prince, in Arabia, 1147.
Ximenche, Kingdom, Description thereof, 1165.
Ximo, Island, Description thereof, 1156.
Xoa, Kingdom, Description thereof, 1165.
Xunking, City, in China, 1153.
Xante, City, in China, *ibid.*

Y

Y **E** **A** **R**, in Calendar, Description thereof; Observation of Cassini, Bianchi, and De La Hire thereupon, 1118.
 — Solar, Astronomical, how determined, *ib.*
 — Tropical, or natural, what, *ibid.*
 — Siderial, or astral, what, *ibid.*
 — Civil, Definition thereof, *ibid.*
 — Common Civil, Definition thereof, *ibid.*
 — Bissextile, Definition and History thereof, *ibid.*
 — Lunar, Definition and History thereof, *ib.*
 — Lunar Astronomical, *ibid.*
 — Lunar Civil, *ibid.*
 — Numa's Year, Definition and History thereof, 419.
 — Egyptian Year, Definition and History thereof, *ibid.*
 — of the antient Greeks, Description and History thereof, *ibid.*
 — Macedonian, Definition and History thereof, *ibid.*
 — Jewish; Definition, Division, and History thereof, *ibid.*
 — Persian; Definition and History thereof, 420.
 — Arabick, and Turkish; Definition and History thereof, *ibid.*
 — Ethiopick; Definition and History thereof, *ibid.*
 — Roman; Definition, and History thereof, *ibid.*
 — French; Definition thereof, *ibid.*
 — Civil, or Legal, in England; Definition and History thereof, *ibid.*

Z

Z *Aara*, or Desart, Country; Description thereof, 1162.
Zacatecas, Province; Description thereof, 1177.
Zanguebar, Coast of, Description thereof, 1167, 1168.
Zeno, the Isaurian, Emperor of the East, his History, 522.
 Zigomatick Sutures, in Anatomy, 46.
Zocatra, Island, Description thereof, 1169.
 Zodiac, in Astronomy, History thereof, 256.
 Zones, in Geography, History thereof, 1079.
 Frigid, Temperate, Torrid, *ibid.*
Zorobabel, in Chronology, Description thereof, 415.
Zug, Canton, Description thereof, 1116.
Zuingle, Audry, his History, 432.
Zurich, Canton, Description thereof, *ibid.*
Zutphen, County, Description thereof, 1114.